

Third National Health and Nutrition Examination Survey
(NHANES III), 1988-94

NHANES III SECOND EXAM FILE DOCUMENTATION

Series 11, No. 3A

July 1999

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Introduction

The National Center for Health Statistics (NCHS) of the Centers for Disease Control and Prevention (CDC) collects, analyzes, and disseminates data on the health status of U.S. residents. The results of surveys, analyses, and studies are made known through a number of data release mechanisms including publications, mainframe computer data files, CD-ROMs (Search and Retrieval Software, Statistical Export and Tabulation System (SETS)), and the Internet.

The National Health and Nutrition Examination Survey (NHANES) is a periodic survey conducted by NCHS. The third National Health and Nutrition Examination Survey (NHANES III), conducted from 1988 through 1994, was the seventh in a series of these surveys based on a complex, multi-stage sample design. It was designed to provide national estimates of the health and nutritional status of the United States' civilian, noninstitutionalized population aged two months and older.

The following table summarizes the NHANES III data which are currently available on CD-ROM, including this release.

Table 1. Available NHANES III CD-ROMs

CD-ROM Name	Release Date	Size in Megabytes	Data Files / Description
NHANES III, 1988-94, Series 11, No. 3A, ASCII Version (this release)	July 1999	33	Second exam sample files for dietary recall, examination, laboratory, additional laboratory analytes and documentation
NHANES III, 1988-94, Series 11, No. 2A, ASCII Version	April 1998	407	Dietary recall (replacement), electrocardiography, laboratory (additional analytes), and vitamins/medicines data files and documentation
NHANES III, 1988-94, Series 11, No. 1, Revised SETS Version 1.22a	October 1997	285	Adult and youth household questionnaire, examination, and laboratory data files and documentation, plan and operation, analytic and reporting guidelines, weighting and estimation methodology, field operations, non-response bias
NHANES III, 1988-94, Series 11, No. 1A, ASCII Version	July 1997	454	Adult and youth household questionnaire, dietary recall, examination, and laboratory data files and documentation
NHANES III, 1988-94, Series 11, No. 1, SETS Version 1.22a *	July 1997	285	Adult and youth household questionnaire, examination, and laboratory data files and documentation
NHANES III Reference Manuals and Reports October 1996	October 1996	152	Plan and operation, analytic and reporting guidelines, weighting and estimation methodology, field operations, non-response bias

* Do not use this CD-ROM It had technical problems and has been superseded by the revised SETS version 1.22a, Series 11, No. 1, released in October 1997.

This CD-ROM, Series 11 No. 3A, contains data obtained from a second exam of selected survey participants who had a primary exam. This release does not replace the previous NHANES III data releases series 11 Nos. 1A and 2A).

Table 2. Location of the interview and examination components in the NHANES III public use data files

Data File

Topic	HA	HY	EXAM	LAB	DIET	VMS	ECG
Sample weights	X	X	X	X	.	.	X
Age/race/sex	X	X	X	X	.	.	X
Ethnic background	X	X
Household composition	X	X
Individual characteristics	X	X
Health insurance	X	X
Family background	X	X
Occupation of family head	X	X
Housing characteristics	X	X
Family characteristics	X	X
Orientation	X	X
Health services	X	X
Selected health conditions	X	X	X
Diabetes questions	X
High blood pressure and cholesterol questions	X
Cardiovascular disease questions	X
Musculoskeletal conditions	X
Physical functioning questions	X
Gallbladder disease questions	X

Table 2. (continued) Location of the interview and examination components in the NHANES III public use data files

	Data File							
Topic	HA	HY	EXAM	LAB	DIET	VMS	ECG	
Kidney conditions	X
Respiratory and allergy questions	X	X
Diet questions	X
Food frequency	X	.	X
Vision questions	X	X
Hearing questions	X	X
Dental care and status	X	X
Tobacco	X	.	X
Occupation	X
Language usage	X	X
Exercise	X
Social support/residence	X
Vitamin/mineral/medicine usage	X	X	X
Blood pressure measurement	X	.	X
Birth	.	X	X
Infant feeding practices/diet	.	X
Motor and social development	.	X
Functional impairment	X	X
School attendance	.	X
Cognitive function	.	X	X

Table 2. (continued) Location of the interview and examination components in the NHANES III public use data files

Data File

Topic	HA	HY	EXAM	LAB	DIET	VMS	ECG
Alcohol and drug use	.	.	X
Reproductive health	.	.	X
Diagnostic interview schedule	.	.	X
Activity	.	.	X
Physician's examination	.	.	X
Height and weight	.	.	X
Body measurements	.	.	X
Dental examination	.	.	X
Allergy skin test	.	.	X
Audiometry	.	.	X
Tympanometry	.	.	X
WISC and WRAT	.	.	X
Spirometry	.	.	X
Bone densitometry	.	.	X
Gallbladder ultrasonography	.	.	X
Central nervous system function evaluation	.	.	X
Fundus photography	.	.	X
Physical function evaluation	.	.	X
Fasting questions	.	.	.	X	.	.	.

Table 2. (continued) Location of the interview and examination components in the NHANES III public use data files

	Data File							
Topic	HA	HY	EXAM	LAB	DIET	VMS	ECG	
Laboratory tests on blood and urine	.	.	.	X
Total nutrient intakes	.	.	X
Individual foods	X	.	.	.
Combination foods	X	.	.	.
Ingredients	X	.	.	.
Prescription Medicines	X	X	.	.	.	X	.	.
Vitamins and Minerals	X	X	.	.	.	X	.	.
Electrocardiography	X	.

Data File Definitions

- HA - Household Adult Data File
- HY - Household Youth Data File
- EXAM - Examination Data File
- LAB - Laboratory Data File and Second Laboratory Data File
- DIET - Dietary Recall Data Files
- VMS - Vitamin Mineral Supplement Data File
- ECG - Electrocardiography Data File

This document includes the documentation for the NHANES III Second Exam File and also contains a general overview of the survey and the use of the data files. The general overview includes five sections. The first section, entitled "Guidelines for Data Users," contains important information about the use of the data files. The second section, "Survey Description," is a brief overview of the survey plan and operation. The third section, "Sample Design and Analysis Guidelines," describes some technical aspects of the sampling plan and discusses some analytic issues particularly related to the use of data from complex sample surveys. The "Data Preparation and Processing Procedures" section describes the editing conventions and the codes used to represent the data. The last and fifth section, "General References," includes a reference list for the survey overview sections of the document.

Public Use Data Files for the third National Health and Nutrition Examination Survey will also be available from the National Technical Information Service (NTIS). A list of NCHS public use data tapes available for purchase from NTIS may be obtained from the Data Dissemination Branch at

NCHS. Information regarding a bibliography (on disk) of journal articles citing data from all the NHANES and the availability of NHANES III data in CD-ROM/SETS software format can be obtained from the Data Dissemination Branch at:

Data Dissemination Branch
National Center for Health Statistics
Room 1018
6525 Belcrest Road
Hyattsville, Maryland 20782

Phone: (301)458-4636

URL:<http://www.cdc.gov/nchswww>

NTIS can be contacted at:

NTIS - Computer Products Office
5285 Port Royal Road
Springfield, Virginia 22161
(703) 487-4807

Copies of all NHANES III questionnaires and data collection forms are included in the Plan and Operation of the Third National Health and Nutrition Examination Survey, 1988-94 (NCHS, 1994; U.S. DHHS, 1996). This publication, along with detailed information on NHANES procedures, interviewing, data collection, quality control techniques, survey design, nonresponse, and sample weighting can be found on the NHANES III Reference Manuals and Reports CD-ROM (U.S. DHHS, 1996). Information on how to order this CD-ROM is also available from the Data Dissemination Branch at NCHS at the address and telephone number given above.

NHANES III Second Exam Sample

The NHANES III Second Exam Sample was a sub-study of NHANES III, conducted for research purposes. These research files are intended to provide additional data for use with special statistical methods to improve estimates from the main survey data and for methodologic investigations. Following this description of the Second Exam Sample is information on the overall survey which is also relevant for the Second Exam Sample, including: general guidelines for data users, a description of the survey, sample design, analysis guidelines and a description of the data preparation and processing procedures.

Sample design and survey description

No statistical sampling design was applied for the second exam. However, a nonrandom sample of about five percent was obtained by selecting approximately 20 participants from the roughly 400 sample persons examined at each survey location. The following general guidelines were used by the MEC staff to select participants for the second exam:

- 1) select mainly adults, 2) half between the ages of 20-39 years, and half over 40 years; 3) select about half men and half women. The sample obtained consists of 2,603 persons, with 1,205 males (46 percent) and 1,398 females (54 percent).

Age group	2nd # of Exams	Percentage of 2nd Exams
< 12	212	8
12-19	231	9
20-39	809	31
40-59	578	22
> 60	773	30

The second exams were scheduled after the first or primary exams, when possible at the same time of day as the first exam. The second exams were conducted over the same time period as the primary exams for a particular survey location by the same MEC staff, although priority was given to scheduling and completing primary exams. The second exams were administered following the same protocols as for the primary exam, with the following exceptions: the food frequency questionnaire was not administered to adolescents 12-16 years; the WISC/WRAT was not administered to youths 6-16 years, and hand/knee x-rays were not re-administered on adults aged 60 and over.

Analytic Issues

Due to the research nature of these data, special caution should be used in

analysis. All analyses should include thorough investigation of the potential selection bias of this small non-random sub-sample. Careful attention to identifying and evaluating differences in important characteristics (e.g., age and race-ethnicity) between the subsample and the main sample should be considered along with other issues.

The second exam data can be linked to the primary exam data and the household interview data using the unique identifier (SEQN). This is necessary to obtain the demographic data for the sample. NCHS recommends that the survey design variables (e.g., sample weights) not be linked with the second exam data, since the survey design variables were created for the full sample. There are no sample weights or other design variables specifically created for the second exam sample. There are weights labeled as "replicate...weight," but these are Fay's BRR Replicate Interview Weights. These weights are to be applied to the primary exam sample, with software which uses the balanced repeated replication (BRR) method. They should not be used with the Second Exam Sample.

Because the second exams were identical to the primary exams, with the exceptions noted above, the file structure for the second exams is the same as for the primary exam files. The variable nomenclature is the same with the following important distinction: the first or primary exam variable names have a 'p' in the third position while the second or "replicate" exam variable names have a 'r' in the third position (e.g., 'BMPWT' or 'BMRWT').

GUIDELINES FOR DATA USERS

Please refer to the following important information before analyzing data.

NHANES III Background Documents

- o The Plan and Operation of the Third National Health and Nutrition Examination Survey, 1988-94, (NCHS, 1994; U.S. DHHS, 1996) provides an overview of the survey and includes copies of the survey forms.
- o The sample design, nonresponse, and analytic guidelines documents on the NHANES III Reference Manuals and Reports CD-ROM (U.S. DHHS, 1996) discuss the reasons that sample weights and the complex survey design should be taken into account when conducting any analysis.
- o Instruction manuals, laboratory procedures, and other NHANES III reference manuals on the NHANES III Reference Manuals and Reports CD-ROM (U.S. DHHS, 1996) are also available for further information on the details of the survey.

Analytic Data Set Preparation

- o Most NHANES III survey design and demographic variables are found only on the Adult and Youth Household Data Files available on the first release. In preparing a data set for analysis, other data files must be merged with either or both of these files to obtain many important analytic variables.
- o All of the NHANES III public use data files are linked with the common survey participant identification number (SEQN). Merging information from multiple NHANES III data files using this variable ensures that the appropriate information for each survey participant is linked correctly.
- o NHANES III public use data files do not have the same number of records on each file. The Household Questionnaire Files (divided into two files, Adult and Youth) contain more records than the Examination Data File because not everyone who was interviewed completed the examination. The Laboratory Data File contains data only for persons aged one year and older. The Individual Foods Data File based on the dietary recall has multiple records for each person rather than the one record per sample person contained in the other data files.
- o For each data file, SAS program code with standard variable names and labels is provided as separate text files on the CD-ROM that contains the data files. This SAS program code can be used to create a SAS data set from the data file.
- o Modifications were made to items in the questionnaires, laboratory, and examination components over the course of the survey; as a result, data may not be available for certain variables for the full six years. In addition, variables may differ by phase since some changes were implemented between phases. Users are encouraged to read the Notes

sections of this document carefully for information about changes.

- o Extremely high and low values have been verified whenever possible, and numerous consistency checks have been performed. Nonetheless, users should examine the range and frequency of values before analyzing data.
- o Some data were not ready for release at the time of this publication due to continued processing of the data or analysis of laboratory specimens. A listing of those data are available in the general information section of each data file.
- o Confidential and administrative data are not being released to the public. Additionally, some variables have been recoded to help protect the confidentiality of the survey participants. For example, all age-related variables were recoded to 90+ years for persons who were 90 years of age and older.
- o Some variable names may differ from those used in the Phase 1 NHANES III Provisional Data Release and some variables included in the Phase 1 provisional release may not appear on these files.
- o Although the data files have been edited carefully, errors may be detected. Please notify NCHS staff (301-458-4636) of any errors in the data file or the documentation.

Analytic Considerations

- o NHANES III (1988-94) was designed so that the survey's first three years, 1988-91, its last three years, 1991-94, and the entire six years were national probability samples. Analysts are encouraged to use all six years of survey results.
- o Sample weights are available for analyzing NHANES III data. One of the following three sample weights will be appropriate for nearly all analyses: interviewed sample final weight (WTPFQX6), examined sample final weight (WTPFEX6), and mobile examination center (MEC)- and home-examined sample final weight (WTPFH6). Choosing which of these sample weights to use in any analysis depends on the variables being used. A good rule of thumb is to use "the least common denominator" approach. In this approach, the user checks the variables of interest. The variable that was collected on the smallest number of persons is the "least common denominator," and the sample weight that applies to that variable is the appropriate one to use for that analysis. For more detailed information, see the Analytic and Reporting Guidelines for NHANES III (U.S. DHHS, 1996).

Referencing or Citing NHANES III Data

- o In publications, please acknowledge NCHS as the original data source. For instance, the reference for the NHANES III Laboratory Data File on this CD-ROM is:

U.S. Department of Health and Human Services (DHHS). National Center for Health Statistics. Third National Health and Nutrition

Examination Survey, 1988-1994, NHANES III Second Laboratory Data File (CD-ROM, Series 11, No. 3A). Hyattsville, MD.: Centers for Disease Control and Prevention, 1999.

- o Please place the acronym "NHANES III" in the titles or abstracts of journal articles and other publications in order to facilitate the retrieval of such materials in bibliographic searches.

SURVEY DESCRIPTION

The third National Health and Nutrition Examination Survey (NHANES III) was the seventh in a series of large health examination surveys conducted in the United States beginning in 1960. Three of these surveys, the National Health Examination Surveys (NHES), were conducted in the 1960's (NCHS, 1965; NCHS, 1967; NCHS, 1969). In 1970, an expanded nutrition component was added to provide data with which to assess nutritional status and dietary practices, and the name was changed to the National Health and Nutrition Examination Survey (Miller, 1973; Engel, 1978; McDowell, 1981). A special survey of Hispanic populations in the United States was conducted during 1982-1984 (NCHS, 1985).

The general structure of the NHANES III sample design was similar to that of the previous NHANES. All of the surveys used complex, multi-stage, stratified, clustered samples of civilian, noninstitutionalized populations. NHANES III was the first NHANES without an upper age limit; in fact, the age range for the survey was two months and older. A home examination option was employed for the first time in order to obtain examination data for very young children and for elderly persons who were unable to visit the mobile examination center (MEC). The home examination included only a subset of the components used in the full MEC examination since it would have been difficult to collect some types of data in a home setting. A detailed description of design specifications and copies of the data collection forms can be found in the Plan and Operation of the Third National Health and Nutrition Examination Survey, 1988-1994 (NCHS, 1994; U.S. DHHS, 1996).

NHANES III was conducted from October 1988 through October 1994 in two phases, each of which comprised a national probability sample. The first phase was conducted from October 18, 1988, through October 24, 1991, at 44 locations. The second phase was conducted from September 20, 1991, through October 15, 1994, at 45 different locations. In NHANES III, 39,695 persons were selected over the six years; of those, 33,994 (86%) were interviewed in their homes. All interviewed persons were invited to the MEC for a medical examination. Seventy-eight percent (30,818) of the selected persons were examined in the MEC, and an additional 493 persons were given a special, limited examination in their homes.

Data collection began with a household interview. Several questionnaires were administered in the household: Household Screener Questionnaire, Family Questionnaire, Household Adult Questionnaire, and Household Youth Questionnaire.

At the MEC, an examination was performed, and five automated questionnaires or interviews were administered: MEC Adult Questionnaire, MEC Youth Questionnaire, MEC Proxy Questionnaire, 24-Hour Dietary Recall, and Dietary Food Frequency (ages 12-16 years). The health examination component included a variety of tests and procedures. The examinee's age at the time of the interview and other factors determined which procedures were administered. Blood and urine specimens were obtained, and a number of tests and measurements were performed including body measurements, spirometry, fundus photography, x-rays, electrocardiography, allergy and glucose tolerance tests, and ultrasonography. Measurements were taken of bone density, hearing, and physical, cognitive, and central nervous system

functions. A physician performed a limited standardized medical examination and a dentist performed a standardized dental examination. While some of the blood and urine analyses were performed in the MEC laboratory, most analyses were conducted elsewhere by contract laboratories.

A home examination was conducted for those sample persons aged 2-11 months and aged 20 years or older who were unable to visit the mobile examination center. The home examination consisted of an abbreviated version of the tests and interviews performed in the MEC. Depending on age of the sample person, the components included body measurements, blood pressure, spirometry, venipuncture, physical function evaluation, and a questionnaire to inquire about infant feeding, selected health conditions, cognitive function, tobacco use, and reproductive history.

SAMPLE DESIGN AND ANALYSIS GUIDELINES

Sample Design

The general structure of the NHANES III sample design is the same as that of the previous NHANES. Each of these surveys used a stratified, multi-stage probability design. The major design parameters of the two previous NHANES and the special Hispanic HANES, as well as NHANES III, have been previously summarized (Miller, 1973; McDowell, 1981; NCHS, 1985; NCHS, 1994). The NHANES III sample was designed to be self-weighting within a primary sampling unit (PSU) for subdomains (age, sex, and race-ethnic groups). While the sample was fairly close to self-weighting nationally for each of these subdomain groups, it was not representative of the total population, which includes institutionalized, non-civilian persons that were outside the scope of the survey.

The NHANES III sample represented the total civilian, noninstitutionalized population, two months of age or over, in the 50 states and the District of Columbia of the United States. The first stage of the design consisted of selecting a sample of 81 PSU's that were mostly individual counties. In a few cases, adjacent counties were combined to keep PSU's above a minimum population size. The PSU's were stratified and selected with probability proportional to size (PPS). Thirteen large counties (strata) were chosen with certainty (probability of one). For operational reasons, these 13 certainty PSU's were divided into 21 survey locations. After the 13 certainty strata were designated, the remaining PSU's in the United States were grouped into 34 strata, and two PSU's were selected per stratum (68 survey locations). The selection was done with PPS and without replacement. The NHANES III sample therefore consists of 81 PSU's or 89 locations.

The 89 locations were randomly divided into two groups, one for each phase. The first group consisted of 44 and the other of 45 locations. One set of PSU's was allocated to the first three-year survey period (1988-91) and the other set to the second three-year period (1991-94). Therefore, unbiased estimates (from the point of view of sample selection) of health and nutrition characteristics can be independently produced for both Phase 1 and Phase 2 as well as for both phases combined.

For most of the sample, the second stage of the design consisted of area segments composed of city or suburban blocks, combinations of blocks, or other area segments in places where block statistics were not produced in the 1980 Census. In the first phase of NHANES III, the area segments were used only for a sample of persons who lived in housing units built before 1980. For units built in 1980 and later, the second stage consisted of sets of addresses selected from building permits issued in 1980 or later. These are referred to as "new construction segments." In the second phase, 1990 Census data and maps were used to define the area segments. Because the second phase followed within a few years of the 1990 Census, new construction did not account for a significant part of the sample, and the entire sample came from the area segments.

The third stage of sample selection consisted of households and certain types of group quarters, such as dormitories. All households and eligible

group quarters in the sample segments were listed, and a subsample was designated for screening to identify potential sample persons. The subsampling rates enabled production of a national, approximately equal-probability sample of households in most of the United States with higher rates for the geographic strata with high Mexican-American populations. Within each geographic stratum, there was a nearly equal-probability sample of households across all 89 stands.

Persons within the sample of households or group quarters were the fourth stage of sample selection. All eligible members within a household were listed, and a subsample of individuals was selected based on sex, age, and race or ethnicity. The definitions of the sex, age, race or ethnic classes, subsampling rates, and designation of potential sample persons within screened households were developed to provide approximately self-weighting samples for each subdomain within geographic strata and at the same time to maximize the average number of sample persons per sample household. Previous NHANES indicated that this increased the overall participation rate. Although the exact sample sizes were not known until data collection was completed, estimates were made. Below is a summary of the sample sizes for the full six-year NHANES III at each stage of selection:

Number of PSU's	81
Number of stands (survey locations)	89
Number of segments	2,144
Number of households screened	93,653
Number of households with sample persons	19,528
Number of designated sample persons	39,695
Number of interviewed sample persons	33,994
Number of MEC-examined sample persons	30,818
Number of home-examined sample persons	493

More detailed information on the sample design and weighting and estimation procedures for NHANES III can be found in the Plan and Operation of the Third National Health and Nutrition Examination Survey, 1988-94 (NCHS, 1994; U.S. DHHS, 1996) and in the Analytic and Reporting Guidelines: Third National Health and Nutrition Examination Survey (NHANES III), 1988-94 (U.S. DHHS, 1996).

Analysis Guidelines

Because of the complex survey design used in NHANES III, traditional methods of statistical analysis based on the assumption of a simple random sample are not applicable. Detailed descriptions of this issue and possible analytic methods for analyzing NHANES data have been described earlier (NCHS, 1985; Yetley, 1987; Landis, 1982; Delgado, 1990). Recent analytic and reporting guidelines that should be used for most NHANES III analyses and publications are contained in Analytic and Reporting Guidelines (U.S. DHHS, 1996). These recommendations differ slightly from those used by analysts for previous NHANES surveys. These suggested guidelines provide a framework to users for producing estimates that conform to the analytic design of the survey. All users are strongly urged to review these analytic and reporting guidelines before beginning any analyses of NHANES III data.

It is important to remember that this set of statistical guidelines is not absolute. When conducting analyses, the analyst needs to use his/her subject matter knowledge (including methodological issues) as well as

information about the survey design. The more one deviates from the original analytic categories defined in the sample design, the more important it is to evaluate the results carefully and to interpret the findings cautiously.

In NHANES III, 89 survey locations were randomly divided into two sets or phases, the first consisting of 44 and the other of 45 locations. One set of PSU's was allocated to the first three-year survey period (1988-91) and the other set to the second three-year period (1991-94). Therefore, unbiased national estimates of health and nutrition characteristics can be independently produced for each phase as well as for both phases combined. Computation of national estimates from both phases combined (i.e., total NHANES III) is the preferred option; individual phase estimates may be highly variable. In addition, individual phase estimates are not statistically independent. It is also difficult to evaluate whether differences in individual phase estimates are real or due to methodological differences. That is, differences may be due to changes in sampling methods or data collection methodology over time. At this time, there is no valid statistical test for examining differences between Phase 1 and Phase 2. Therefore, although point estimates can be produced separately for each phase, no test is available to test whether those estimates are significantly different from each other.

NHANES III is based on a complex, multi-stage probability sample design. Several aspects of the NHANES design must be taken into account in data analysis, including the sample weights and the complex survey design. Appropriate sample weights are needed to estimate prevalence, means, medians, and other statistics. Sample weights are used to produce correct population estimates because each sample person does not have the same probability of selection. The sample weights incorporate the differential probabilities of selection and include adjustments for noncoverage and nonresponse. A detailed discussion of nonresponse adjustments and issues related to survey coverage have been published (U.S. DHHS, 1996). With the large oversampling of young children, older persons, black persons, and Mexican-Americans in NHANES III, it is essential that the sample weights be used in all analyses. Otherwise, a misinterpretation of results is highly likely. Other aspects of the design that must be taken into account in data analyses are the strata and PSU pairings from the sample design. These pairings should be used to estimate variances and test for statistical significance. For weighted analyses, analysts can use special computer software packages that use an appropriate method for estimating variances for complex samples such as SUDAAN (Shah, 1995) and WesVarPC (Westat, 1996).

Although initial exploratory analyses may be performed on unweighted data using standard statistical packages and assuming simple random sampling, final analyses should be done on weighted data using appropriate sample weights. A summary of the weighting methodology and the type of sample weights developed for NHANES III is included in Weighting and Estimation Methodology (U.S. DHHS, 1996).

The purpose of weighting the sample data is to permit analysts to produce estimates of statistics that would have been obtained if the entire sampling frame (the United States) had been surveyed. Sample weights can be considered as measures of the number of persons the particular sample

observation represents. Weighting takes into account several features of the survey: the specific probabilities of selection for the individual domains that were oversampled as well as nonresponse and differences between

the sample and the total U.S. population. Differences between the sample and the population may arise due to sampling variability, differential undercoverage in the survey among demographic groups, and possibly other types of response errors, such as differential response rates or misclassification errors. Sample weighting in NHANES III was used to:

1. Compensate for differential probabilities of selection among subgroups (i.e., age-sex-race-ethnicity subdomains where persons living in different geographic strata were sampled at different rates);
2. Reduce biases arising from the fact that nonrespondents may be different from those who participate;
3. Bring sample data up to the dimensions of the target population totals;
4. Compensate, to the extent possible, for inadequacies in the sampling frame (resulting from omissions of some housing units in the listing of area segments, omissions of persons with no fixed address, etc.); and
5. To reduce variances in the estimation procedure by using auxiliary information that is known with a high degree of accuracy.

In NHANES III, the sample weighting was carried out in three stages. The first stage involved the computation of weights to compensate for unequal probabilities of selection (objective 1, above). The second stage adjusted for nonresponse (objective 2). The third stage used poststratification of the sample weights to Census Bureau estimates of the U.S. population to accomplish the third, fourth, and fifth objectives simultaneously. In NHANES III, several types of sample weights (see the sample weights table that follows) were computed for the interviewed and examined sample and are included in the NHANES III data file. Also, sample weights were computed separately for Phase 1 (1988-91), Phase 2 (1991-94), and total NHANES III (1988-94) to facilitate analysis of items collected only in Phase 1, only in Phase 2, and over six years of the survey. Three sets of pseudo strata and PSU pairings are provided to use with SUDAAN in variance estimation. Since NHANES III is based on a complex, multi-stage sample design, appropriate sample weights should be used in analyses to produce national estimates of prevalence and associated variances while accounting for unequal probability of selection of sample persons. For example, the final interview weight, WTPFQX6, should be used for analysis of the items or questions from the family or household questionnaires, and the final MEC examination weight, WTPFEX6, should be used for analysis of the questionnaires and measurements administered in the MEC. Furthermore, for a combined analysis of measurements from the MEC examinations and associated medical history questions from the household interview, the final MEC examination weight, WTPFEX6, should be used. We recommend using SUDAAN (Shah, 1995) to estimate statistics of interest and the associated variance. However, one can also use other published methods for variance estimation. Application of SUDAAN and alternative methods, such as the average design effect approach, balance repeated replication (BRR) methods, or jackknife methods for variance estimation, are discussed in Weighting and Estimation Methodology (U.S. DHHS, 1996).

Appropriate Uses of the NHANES III Sample Weights

Final interview weight, WTPFQX6

Use only in conjunction with the sample interviewed at home and with items collected during the household interview.

Final examination (MEC only) weight, WTPFEX6

Use only in conjunction with the MEC-examined sample and with interview and examination items collected at the MEC.

Final MEC+home examination weight, WTPFHX6

Use only in conjunction with the MEC+home-examined sample and with items collected at both the MEC and home.

Final allergy weight, WTPFALG6

Use only in conjunction with the allergy subsample and with items collected as part of the allergy component of the exam.

Final CNS weight, WTPFCNS6

Use only in conjunction with the CNS subsample and with items collected as part of the CNS component of the exam.

Final morning examination (MEC only) subsample weight, WTPFSD6

Use only in conjunction with the MEC-examined persons assigned to the morning subsample and only with items collected in the MEC exam.

Final afternoon/evening examination (MEC only) subsample weight, WTPFMD6

Use only in conjunction with the MEC-examined persons assigned to the afternoon/evening subsample and only with items collected in the MEC exam.

Final morning examination (MEC+home) subsample weight, WTPFHSD6

Use only in conjunction with the MEC- and home-examined persons assigned to the morning subsample and with items collected during the MEC and home examinations.

Final afternoon/evening examination (MEC+home) weight, WTPFHMD6

Use only in conjunction with the MEC- and home-examined persons assigned to the afternoon/evening subsample and with items collected during the MEC and home examinations.

DATA PREPARATION AND PROCESSING PROCEDURES

Automated data collection procedures for the survey were introduced in NHANES III. In the mobile examination centers, data for the interview and examination components were recorded directly onto a computerized data collection form. With the exception of a few independently automated systems, the system was centrally integrated. This operation allowed for ongoing monitoring of much of the data. Before the introduction of the computer-assisted personal interview (CAPI), the household questionnaire data were reviewed manually by field editors and interviewers. CAPI (1992-1994 only) questionnaires featured built-in edits to prevent entering inconsistencies and out-of-range responses. The multi-level data collection and quality control systems are discussed in detail in the Plan and Operation of the Third National Health and Nutrition Examination Survey, 1988-1994 (NCHS, 1994; U.S. DHHS, 1996). All interview, laboratory, and examination data were sent to NCHS for final processing.

Guidelines were developed that provided standards for naming variables, filling missing values and coding conventional responses, handling missing records, and standardizing two-part quantity/unit questionnaire variables. NCHS staff, assisted by contract staff, developed data editing specifications that checked data sets for valid codes, ranges, and skip pattern consistencies and examined the consistency of values between interrelated variables. Comments, collected in both interviews and examination components, were reviewed and recoded when possible. Responses to "Other" and "Specify" were recoded either to existing code categories or to new categories. The documentation for each data set includes notes for those variables that have been recoded and standardized and for those variables that differ significantly from what appears in the original data collection instrument. While the data have undergone many quality control and editing procedures, there still may be values that appear extreme or illogical. Values that varied considerably from what was expected were examined by analysts who checked for comments or other responses that might help to clarify unusual values. Generally, values were retained unless they could not possibly be true, in which case they were changed to "Blank but applicable." Therefore, the user must review each data set for extreme or inconsistent values and determine the status of each value for analysis.

Several editing conventions were used in the creation of final analytic data sets:

1. Standardized variables were created to replace all two-part quantity/unit questions using standard conversion factors. Standardized variables have the same name as the variable of the two-part question with an "S" suffix. For instance, MAPF18S (Months received WIC benefits) in the MEC Adult Questionnaire was created from the two-part response option to question F18, "How long did you receive benefits from the WIC program?," using the conversion factor 12 months per year.
2. Recoded variables were created by combining responses from two or more like variables, or by collapsing responses to create a summary variable for the purpose of confidentiality. Recoded variables have the original variable name with an R suffix. For example, place of birth

variable (HFA6X) in the Family Questionnaire was collapsed to a three level response category (U.S., Mexico, Other) and renamed HFA6XR. Generally, only the recoded variable has been included in the data file.

3. Fill values, a series of one or more digits, were used to represent certain specific conditions or responses. Below is a list of the fill values that were employed. Some of the fill values pertain only to questionnaire data, although 8-fill and blank-fill values are found in all data sets. Other fill values, not included in this list, are used to represent component-specific conditions.

6-fills = Varies/varied. (Questionnaires only)

7-fills = Fewer than the smallest number that could be reported within the question structure (e.g., fewer than one cigarette per day). (Questionnaires only)

8-fills = Blank but applicable/cannot be determined. This means that a respondent was eligible to receive the question, test, or component but did not because of refusal, lack of time, lack of staff, loss of data, broken vial, language barrier, unreliability, or other similar reasons.

9-fills = Don't know. This fill was used only when a respondent did not know the response to a question and said, "I don't know." (Questionnaires only)

Blank fills = Inapplicable. If a respondent was not eligible for a questionnaire, test, or component because of age, gender, or specific reason, the variable was blank-filled. In the questionnaire, if a respondent was not asked a question because of a skip-pattern, variables corresponding to the question were blank-filled. For examination or laboratory components, if a person was excluded by a defined protocol (e.g., screening exclusion questions) and these criteria are included in the data set, then the corresponding variables were blank-filled for that person. For home examinees, variables for examination components and blood tests not performed as part of the home examination protocol were blank-filled.

4. For variables describing discrete data, codes of zero (0) were used to mean "none," "never," or the equivalent. Value labels for which "0" is used include: "has not had," "never regularly," "still taking," or "never stopped using." Unless otherwise labeled, for variables containing continuous data, "zero" means "zero."
5. Where there are logical skip patterns in the flow of the questionnaire or examination component, the skip was indicated by placing the variable label of the skip destination in parentheses as part of the value label of the response generating the skip. For example, in the Physical Function Evaluation, the variable PFPWC (in wheelchair) has a value label, "2 No (PFPSCOOT)" that means that the next item for persons not in a wheelchair would be represented by the variable, PFPSCOOT.

Variable Nomenclature

A unique name was assigned to every NHANES III variable using a standard convention. By following this naming convention, the origin of each variable is clear, and there is no chance of overlaying similar variables across multiple components. Variables range in length from three to eight characters. The first two variable characters represent the topic (e.g., analyte, questionnaire instrument, examination component) and are listed below alphabetically by topic. For questionnaires administered in the household, the remainder of the variable name following the first two characters indicates the question section and number. For example, data for the response to the Household Adult Questionnaire question B1 are contained in the variable HAB1. For most laboratory and examination variables, as well as some other variables, a "P" in the third position refers to "primary" and the remainder of the variable name is a brief description of the item. For instance, in the Laboratory Data File, information on the length of time the person fasted before the first blood draw is contained in the variable PHPFAST. The variable PHPFAST was derived as follows: characters 1-2 (PH) refer to "phlebotomy," character 3 (P) refers to "primary," characters 4-8 (FAST) refer to an abbreviation for "fasting."

CODE	TOPIC
AT	Alanine aminotransferase (from biochemistry profile)
AM	Albumin (from biochemistry profile)
AP	Alkaline phosphatase (from biochemistry profile)
AL	Allergy skin test
AC	Alpha carotene
AN	Anisocytosis
TM	Antimicrosomal antibodies
TA	Antithyroglobulin antibodies
AA	Apolipoprotein (AI)
AB	Apolipoprotein (B)
AS	Aspartate aminotransferase (from biochemistry profile)
LA	Atypical lymphocyte
AU	Audiometry
BA	Band
BO	Basophil
BS	Basophilic stippling
BC	Beta carotene
BX	Beta cryptoxanthin
BL	Blast
BU	Blood urea nitrogen (BUN) (from biochemistry profile)
BM	Body measurements
BD	Bone densitometry
C1	C-peptide (first venipuncture)
C2	C-peptide (second venipuncture)
CR	C-reactive protein
UD	Cadmium
CN	Central nervous system function evaluation
CL	Chloride (from biochemistry profile)
CO	Cotinine
CE	Creatinine (serum)(from biochemistry profile)
UR	Creatinine (urine)

CODE	TOPIC
DM	Demographic
DE	Dental examination
MQ	Diagnostic interview schedule
DR	Dietary recall (total nutrient intakes)
EO	Eosinophil
EP	Erythrocyte protoporphyrin
FR	Ferritin
FB	Fibrinogen
RB	Folate (RBC)
FO	Folate (serum)
FH	Follicle stimulating hormone (FSH)
FP	Fundus photography
GG	Gamma glutamyl transferase (GGT) (from biochemistry profile)
GU	Gallbladder ultrasonography
GB	Globulin (from biochemistry profile)
G1	Glucose (first venipuncture)
G2	Glucose (second venipuncture)
SG	Glucose (from biochemistry profile)
GH	Glycated hemoglobin
GR	Granulocyte
C3	HCO ₃ (Bicarbonate)(from biochemistry profile)
HD	HDL cholesterol
HP	Helicobacter pylori antibody
HT	Hematocrit
HG	Hemoglobin
AH	Hepatitis A antibody (HAV)
HB	Hepatitis B core antibody (anti-HBc)
SS	Hepatitis B surface antibody (anti-HBs)
SA	Hepatitis B surface antigen (HBsAg)
HC	Hepatitis C antibody (HCV)
DH	Hepatitis D antibody (HDV)
H1	Herpes 1 antibody
H2	Herpes 2 antibody
HX	Home examination (general)
HO	Homocysteine
HF	Household family questionnaire
HA	Household adult questionnaire
HQ	Household questionnaire variables (composite)
HS	Household screener questionnaire
HY	Household youth questionnaire
HZ	Hypochromia
I1	Insulin (first venipuncture)
I2	Insulin (second venipuncture)
UI	Iodine (urine)
FE	Iron
SF	Iron (from biochemistry profile)
LD	Lactate dehydrogenase (from biochemistry profile)
L1	Latex antibody
LC	LDL cholesterol (calculated)
PB	Lead
LP	Lipoprotein (a)
LH	Luteinizing hormone

CODE	TOPIC
LU	Lutein/zeaxanthin
LY	Lycopene
LM	Lymphocyte
MR	Macrocyte
MC	Mean cell hemoglobin (MCH)
MH	Mean cell hemoglobin concentration (MCHC)
MV	Mean cell volume (MCV)
PV	Mean platelet volume
MA	MEC adult questionnaire
MX	MEC examination (general)
FF	Dietary food frequency (ages 12-16 years)
MP	MEC proxy questionnaire
MY	MEC youth questionnaire
ME	Metamyelocyte
MI	Microcyte
MO	Monocyte
MN	Mononuclear cell
ML	Myelocyte
IC	Normalized calcium (derived from ionized calcium)
OS	Osmolality (from biochemistry profile)
PH	Phlebotomy data collected in MEC (e.g., questions)
PS	Phosphorus (from biochemistry profile)
PF	Physical function evaluation
PE	Physician's examination
PL	Platelet
DW	Platelet distribution width
PK	Poikilocytosis
PO	Polychromatophilia
SK	Potassium (from biochemistry profile)
PR	Promyelocyte
RC	Red blood cell count (RBC)
RW	Red cell distribution width (RDW)
RE	Retinyl esters
RF	Rheumatoid factor antibody
RU	Rubella antibody
WT	Sample weights
SE	Selenium
SI	Sickle cell
NA	Sodium (from biochemistry profile)
SH	Spherocyte
SP	Spirometry
SD	Survey design
TT	Target cell
TE	Tetanus
TH	Thyroid Stimulating Hormone (TSH)
T4	Thyroxine
TB	Total bilirubin (from biochemistry profile)
CA	Total calcium
SC	Total calcium (from biochemistry profile)
TC	Total cholesterol
CH	Total cholesterol (from biochemistry profile)
TI	Total iron binding capacity (TIBC)
TP	Total protein (from biochemistry profile)
TX	Toxic granulation

CODE	TOPIC
TO	Toxoplasmosis antibody
PX	Transferrin saturation
TG	Triglycerides
TR	Triglycerides (from biochemistry profile)
TY	Tympanometry
UA	Uric acid (from biochemistry profile)
UB	Urinary albumin
VU	Vacuolated cells
VR	Varicella antibody
VA	Vitamin A
VB	Vitamin B12
VC	Vitamin C
VD	Vitamin D
VE	Vitamin E
WC	White blood cell count (WBC)
WW	WISC/WRAT cognitive test

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NHANES III Data File Index

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Root surf: lwr left cen incisor: mesial	DERRS59	879
Root surf: lwr left cen incisor: distal	DERRS60	880
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Root surf: lwr left lat incisor: buccal	DERRS62	882
Root surf: lwr left lat incisor: mesial	DERRS63	883
Root surf: lwr left lat incisor: distal	DERRS64	884
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Root surf: lower left cuspid: distal	DERRS68	888
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Root surf: lower left 1bicuspid: buccal	DERRS70	890
Root surf: lower left 1bicuspid: mesial	DERRS71	891
Root surf: lower left 1bicuspid: distal	DERRS72	892
Root surf: lower left 2bicuspid: lingual	DERRS73	893
Root surf: lower left 2bicuspid: buccal	DERRS74	894
Root surf: lower left 2bicuspid: mesial	DERRS75	895
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Root surf: lower left 1molar: buccal	DERRS78	898
Root surf: lower left 1molar: mesial	DERRS79	899
Root surf: lower left 1molar: distal	DERRS80	900
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Root surf: lower left 2molar: mesial	DERRS83	903
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Root surf: lower rt cen incisor: mesial	DERRS87	907
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Root surf: lower right 1molar: buccal	DERRS106	926
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Perio:ging bleed,uppr cen incisor:buccal	DERUGN2	934
Perio:ging bleed,uppr lat incisor:mesial	DERUGN3	935
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Perio:ging bleed, upper cuspid: mesial	DERUGN5	937
Perio:ging bleed, upper cuspid: buccal	DERUGN6	938
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Perio:ging bleed,upper 2bicuspid: mesial	DERUGN9	941
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Perio:ging bleed, upper 1molar: mesial	DERUGN11	943
Perio:ging bleed, upper 1molar: buccal	DERUGN12	944
Perio:ging bleed, upper 2molar: mesial	DERUGN13	945
Perio:ging bleed, upper 2molar: buccal	DERUGN14	946
Perio:ging bleed,lwr cen incisor:mesial	DERLGN1	947
Perio:ging bleed,lwr cen incisor:buccal	DERLGN2	948
Perio:ging bleed, lwr lat incisor:mesial	DERLGN3	949
Perio:ging bleed,lwr lat incisor:buccal	DERLGN4	950
Perio:ging bleed, lower cuspid: mesial	DERLGN5	951
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Perio:ging bleed, lwr lbicuspid: mesial	DERLGN7	953
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Perio:ging bleed, lower 1molar: mesial	DERLGN11	957
Perio:ging bleed, lower 1molar: buccal	DERLGN12	958
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Perio:calculus, upper cen incisor:buccal	DERUCL2	962
Perio:calculus, upper lat incisor:mesial	DERUCL3	963
Perio:calculus, upper lat incisor:buccal	DERUCL4	964
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Perio: calculus, upper 1bicuspid: buccal	DERUCL8	968
Perio: calculus, upper 2bicuspid: mesial	DERUCL9	969
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Perio: calculus, upper 1molar: mesial	DERUCL11	971
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Perio: calculus, upper 2molar: mesial	DERUCL13	973
Perio: calculus, upper 2molar: buccal	DERUCL14	974
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Perio: calculus,lower lat incisor:mesial	DERLCL3	977
Perio: calculus,lower lat incisor:buccal	DERLCL4	978
Perio: calculus, lower cuspid: mesial	DERLCL5	979
Perio: calculus, lower cuspid: buccal	DERLCL6	980
Perio: calculus, lower 1bicuspid: mesial	DERLCL7	981
Perio: calculus, lower 1bicuspid: buccal	DERLCL8	982
Perio: calculus, lower 2bicuspid: mesial	DERLCL9	983
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Perio: calculus, lower 1molar: buccal	DERLCL12	986
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Perio:FGM/CEJ, upr cen incisor:buccal-mm	DERUBCJ1	993-994
Perio:pocket, upr cen incisor: buccal-mm	DERUBPC1	995-996
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Perio: pocket, upper cuspid: mesial-mm	DERUMPC3	1007-1008
Perio: FGM/CEJ, upper cuspid: buccal-mm	DERUBCJ3	1009-1010
Perio: pocket, upper cuspid: buccal-mm	DERUBPC3	1011-1012
Perio FGM/CEJ, upr lbicuspid mesial-mm	DERUMCJ4	1013-1014
Perio: pocket, upr lbicuspid: mesial-mm	DERUMPC4	1015-1016
Perio: FGM/CMJ, upr lbicuspid: buccal-mm	DERUBCJ4	1017-1018
Perio: pocket, upr lbicuspid: buccal-mm	DERUBPC4	1019-1020
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Perio: pocket, upper 1molar: mesial-mm	DERUMPC6	1031-1032
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Perio: FGM/CEJ, lower cuspid: mesial-mm	DERLMCJ3	1061-1062
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Perio: FGM/CEJ, lower cuspid: buccal-mm	DERLBCJ3	1065-1066
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Perio:pocket,lower lbicuspid: mesial-mm	DERLMPC4	1071-1072
Perio:FGM/CEJ,lower lbicuspid: buccal-mm	DERLBCJ4	1073-1074
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Perio: pocket, lower 1molar: mesial-mm	DERLMPC6	1087-1088
Perio: FGM/CEJ, lower 1molar: buccal-mm	DERLBCJ6	1089-1090
Perio: pocket, lower 1molar: buccal-mm	DERLBPC6	1091-1092
Perio: FGM/CEJ, lower 2molar: mesial-mm	DERLMCJ7	1093-1094
Perio: pocket, lower 2molar: mesial-mm	DERLMPC7	1095-1096
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Perio: loss-attac, lwr cuspid: buccal-mm	DERLBLA3	1139-1140
Perio:loss-attac,lwr 1bicuspid:mesial-mm	DERLMLA4	1141-1142
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Perio: furcations, upper 2bicuspid: distal	DERUB2DF	1158
Perio: furcations, upper 1molar: mesial	DERUM1MF	1159
Perio: furcations, upper 1molar: buccal	DERUM1BF	1160
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Perio: furcations, upper 2molar: distal	DERUM2DF	1164
Perio: furcations, lower 1molar: lingual	DERLM1LF	1165
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Soft tissue lesion 1: hyphae result	DERHYPH1	1181
Soft tissue lesion 1: clin. descrpt. req	DERCDRQ1	1182
Soft tissue lesion 1: extent	DERSTXT1	1183
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Soft tissue lesion 3: height-mm	DERSTHT3	1236
Soft tissue lesion 3: surface morphology	DERSTMF3	1237
Soft tissue lesion 3: color	DERSTCL3	1238-1239
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Soft tissue lesion 3: pain	DERSTPN3	1241
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Equiv volume at -175 daPa, left ear (ml)	TYRC045L	1888-1892
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Equiv volume at -40 daPa, left ear (ml)	TYRC072L	2023-2027
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Equiv volume at -390 daPa, right ear(ml)	TYRC002R	2278-2282
Equiv volume at -385 daPa, right ear(ml)	TYRC003R	2283-2287
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Equiv volume at -375 daPa, right ear(ml)	TYRC005R	2293-2297
Equiv volume at -370 daPa, right ear(ml)	TYRC006R	2298-2302
Equiv volume at -365 daPa, right ear(ml)	TYRC007R	2303-2307
Equiv volume at -360 daPa, right ear(ml)	TYRC008R	2308-2312
Equiv volume at -355 daPa, right ear(ml)	TYRC009R	2313-2317
Equiv volume at -350 daPa, right ear(ml)	TYRC010R	2318-2322
Equiv volume at -345 daPa, right ear(ml)	TYRC011R	2323-2327
Equiv volume at -340 daPa, right ear(ml)	TYRC012R	2328-2332
Equiv volume at -335 daPa, right ear(ml)	TYRC013R	2333-2337
Equiv volume at -330 daPa, right ear(ml)	TYRC014R	2338-2342
Equiv volume at -325 daPa, right ear(ml)	TYRC015R	2343-2347
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Equiv volume at -235 daPa, right ear(ml)	TYRC033R	2433-2437
Equiv volume at -230 daPa, right ear(ml)	TYRC034R	2438-2442
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Description	Variable Name	Positions
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Equiv volume at -200 daPa, right ear(ml)	TYRC040R	2468-2472
Equiv volume at -195 daPa, right ear(ml)	TYRC041R	2473-2477
Equiv volume at -190 daPa, right ear(ml)	TYRC042R	2478-2482
Equiv volume at -185 daPa, right ear(ml)	TYRC043R	2483-2487
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Equiv volume at -170 daPa, right ear(ml)	TYRC046R	2498-2502
Equiv volume at -165 daPa, right ear(ml)	TYRC047R	2503-2507
Equiv volume at -160 daPa, right ear(ml)	TYRC048R	2508-2512
Equiv volume at -155 daPa, right ear(ml)	TYRC049R	2513-2517
Equiv volume at -150 daPa, right ear(ml)	TYRC050R	2518-2522
Equiv volume at -145 daPa, right ear(ml)	TYRC051R	2523-2527
Equiv volume at -140 daPa, right ear(ml)	TYRC052R	2528-2532
Equiv volume at -135 daPa, right ear(ml)	TYRC053R	2533-2537
Equiv volume at -130 daPa, right ear(ml)	TYRC054R	2538-2542
Equiv volume at -125 daPa, right ear(ml)	TYRC055R	2543-2547
Equiv volume at -120 daPa, right ear(ml)	TYRC056R	2548-2552
Equiv volume at -115 daPa, right ear(ml)	TYRC057R	2553-2557
Equiv volume at -110 daPa, right ear(ml)	TYRC058R	2558-2562
Equiv volume at -105 daPa, right ear(ml)	TYRC059R	2563-2567
Equiv volume at -100 daPa, right ear(ml)	TYRC060R	2568-2572
Equiv volume at -95 daPa, right ear (ml)	TYRC061R	2573-2577
Equiv volume at -90 daPa, right ear (ml)	TYRC062R	2578-2582
Equiv volume at -85 daPa, right ear (ml)	TYRC063R	2583-2587
Equiv volume at -80 daPa, right ear (ml)	TYRC064R	2588-2592
Equiv volume at -75 daPa, right ear (ml)	TYRC065R	2593-2597
Equiv volume at -70 daPa, right ear (ml)	TYRC066R	2598-2602
Equiv volume at -65 daPa, right ear (ml)	TYRC067R	2603-2607
Equiv volume at -60 daPa, right ear (ml)	TYRC068R	2608-2612
Equiv volume at -55 daPa, right ear (ml)	TYRC069R	2613-2617
Equiv volume at -50 daPa, right ear (ml)	TYRC070R	2618-2622
Equiv volume at -45 daPa, right ear (ml)	TYRC071R	2623-2627
Equiv volume at -40 daPa, right ear (ml)	TYRC072R	2628-2632
Equiv volume at -35 daPa, right ear (ml)	TYRC073R	2633-2637
Equiv volume at -30 daPa, right ear (ml)	TYRC074R	2638-2642

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Description	Variable Name	Positions
Equiv volume at -25 daPa, right ear (ml)	TYRC075R	2643-2647
Equiv volume at -20 daPa, right ear (ml)	TYRC076R	2648-2652
Equiv volume at -15 daPa, right ear (ml)	TYRC077R	2653-2657
Equiv volume at -10 daPa, right ear (ml)	TYRC078R	2658-2662
Equiv volume at -5 daPa, right ear (ml)	TYRC079R	2663-2667
Equiv volume at 0 daPa, right ear (ml)	TYRC080R	2668-2672
Equiv volume at 5 daPa, right ear (ml)	TYRC081R	2673-2677
Equiv volume at 10 daPa, right ear (ml)	TYRC082R	2678-2682
Equiv volume at 15 daPa, right ear (ml)	TYRC083R	2683-2687
Equiv volume at 20 daPa, right ear (ml)	TYRC084R	2688-2692
Equiv volume at 25 daPa, right ear (ml)	TYRC085R	2693-2697
Equiv volume at 30 daPa, right ear (ml)	TYRC086R	2698-2702
Equiv volume at 35 daPa, right ear (ml)	TYRC087R	2703-2707
Equiv volume at 40 daPa, right ear (ml)	TYRC088R	2708-2712
Equiv volume at 45 daPa, right ear (ml)	TYRC089R	2713-2717
Equiv volume at 50 daPa, right ear (ml)	TYRC090R	2718-2722
Equiv volume at 55 daPa, right ear (ml)	TYRC091R	2723-2727
Equiv volume at 60 daPa, right ear (ml)	TYRC092R	2728-2732
Equiv volume at 65 daPa, right ear (ml)	TYRC093R	2733-2737
Equiv volume at 70 daPa, right ear (ml)	TYRC094R	2738-2742
Equiv volume at 75 daPa, right ear (ml)	TYRC095R	2743-2747
Equiv volume at 80 daPa, right ear (ml)	TYRC096R	2748-2752
Equiv volume at 85 daPa, right ear (ml)	TYRC097R	2753-2757
Equiv volume at 90 daPa, right ear (ml)	TYRC098R	2758-2762
Equiv volume at 95 daPa, right ear (ml)	TYRC099R	2763-2767
Equiv volume at 100 daPa, right ear (ml)	TYRC100R	2768-2772
Equiv volume at 105 daPa, right ear (ml)	TYRC101R	2773-2777
Equiv volume at 110 daPa, right ear (ml)	TYRC102R	2778-2782
Equiv volume at 115 daPa, right ear (ml)	TYRC103R	2783-2787
Equiv volume at 120 daPa, right ear (ml)	TYRC104R	2788-2792
Equiv volume at 125 daPa, right ear (ml)	TYRC105R	2793-2797
Equiv volume at 130 daPa, right ear (ml)	TYRC106R	2798-2802
Equiv volume at 135 daPa, right ear (ml)	TYRC107R	2803-2807
Equiv volume at 140 daPa, right ear (ml)	TYRC108R	2808-2812
Equiv volume at 145 daPa, right ear (ml)	TYRC109R	2813-2817
Equiv volume at 150 daPa, right ear (ml)	TYRC110R	2818-2822
Equiv volume at 155 daPa, right ear (ml)	TYRC111R	2823-2827
Equiv volume at 160 daPa, right ear (ml)	TYRC112R	2828-2832
Equiv volume at 165 daPa, right ear (ml)	TYRC113R	2833-2837

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Description	Variable Name	Positions
Equiv volume at 170 daPa, right ear (ml)	TYRC114R	2838-2842
Equiv volume at 175 daPa, right ear (ml)	TYRC115R	2843-2847
Equiv volume at 180 daPa, right ear (ml)	TYRC116R	2848-2852
Equiv volume at 185 daPa, right ear (ml)	TYRC117R	2853-2857
Equiv volume at 190 daPa, right ear (ml)	TYRC118R	2858-2862
Equiv volume at 195 daPa, right ear (ml)	TYRC119R	2863-2867
Equiv volume at 200 daPa, right ear (ml)	TYRC120R	2868-2872
Examiner	TYRTECH	2873-2877
Surgery on chest or abdomen past 3 weeks	SPRQ1	2878
Hospitalized for heart problem past 6 wk	SPRQ2	2879
Smoked cigarette, eaten, etc in past hr	SPRQ3	2880
Cough cold or other acute illness	SPRQ4	2881
Respiratory infections in past 3 weeks	SPRQ5	2882
Position for home examination	HXREJ6A2	2883
Examiner # - from spirometry data file	SPRTECH1	2884-2888
# forced vital cap(FVC) trials attempted	SPRTRIAL	2889-2890
Peak expiratory flow, largest value (ml)	SPRPEAK	2891-2895
FEV at 0.5 seconds, largest value (ml)	SPRFEV05	2896-2899
FEV1 at 1.0 seconds, largest value (ml)	SPRFEV1	2900-2903
FEV3 at 3.0 seconds, largest value (ml)	SPRFEV3	2904-2908
FEV6 at 6.0 seconds, largest value (ml)	SPRFEV6	2909-2913
FVC, largest value (ml)	SPRFVC	2914-2918
Max mid-expiratory flow(ml/sec best crv)	SPRMMEF	2919-2923
Spirometer type	SPRTYPE	2924
Reproducibility code	SPRREPRO	2925
Review evaluation	SPRRELIA	2926
Number of acceptable trials	SPRMANEU	2927-2928
Time of day test was conducted (hh:mm)	SPRTIME	2929-2933
Expiratory time trial, largest FVC (sec)	SPREXPIR	2934-2935
FEF at 75% of FVC (ml)	SPRFEF75	2936-2939
Spirometer internal temperature(Celsius)	SPRTEMP	2940-2941
Times per week exercise makes you sweat	MYRA1	2942-2943
# teams/exercise programs in past year	MYRA2	2944
Hours of TV watched yesterday	MYRA3	2945

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Description	Variable Name	Positions
Have you smoked at least one cigarette	MYRB1	2946
Age when first smoked cigarette	MYRB2	2947-2948
Have you smoked 100+ cigarettes in life	MYRB3	2949
Age first smoked cigarettes regularly	MYRB4	2950-2951
Do you smoke cigarettes now	MYRB5	2952
Cigarettes smoked per day - recoded	MYRB6R	2953-2954
Years smoked reported amount - recoded	MYRB7R	2955-2956
Smoked more than # in B6 for 1+ yrs	MYRB8	2957
Cigarettes smoked/day when smoked most	MYRB9S	2958-2959
Ever quit smoking for 1 year or more	MYRB10	2960
Cigarettes smoked in the past 5 days	MYRB11	2961-2963
Age last smoked cigarettes regularly	MYRB12	2964-2965
Cigarettes usually smoked per day	MYRB13S	2966-2967
Quit smoking due to health problems	MYRB14	2968
Ever tried chewing tobacco or snuff	MYRB15	2969
Age first tried chew tobacco or snuff	MYRB16	2970-2971
Used 5+ containers chew tobacco or snuff	MYRB17	2972
Age started using chew tobacco/snuff reg	MYRB18	2973-2974
Now use chewing tobacco or snuff	MYRB19	2975
Which use now - chewing tobacco or snuff	MYRB20	2976
Containers chewing tobacco used per week	MYRB21AS	2977
Containers of snuff used per week	MYRB21CS	2978
Place tobacco in side or front of mouth	MYRB22A	2979
Put tobacco in top or bottom of mouth	MYRB22B	2980
Containrs chew tobacco/snuff past 5 days	MYRB23	2981
Age last used chew tobacco/snuff reg	MYRB24	2982-2983
Which last used - chewing tobacco/snuff	MYRB25	2984
Quit chew tobacco/snuff due to health...	MYRB26	2985
How many pipes smoked in past 5 days	MYRB27A	2986
How many cigars smoked in past 5 days	MYRB27B	2987
Age check item used in skip pattern	MYRB28	2988
Pieces of nicotine gum used last 5 days	MYRB29	2989
Age/sex check item used in skip pattern	MYRC1A	2990
Age when menstrual cycles started	MYRC2	2991-2992
How long ago was your last period	MYRC3	2993-2994
Age check item used in skip pattern	MYRC4	2995
Ever taken birth control pills	MYRC5	2996

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Description	Variable Name	Positions
Age began taking birth control pills	MYRC6	2997-2998
How many days ago stopped BC pills	MYRC7S	2999-3000
How many months took birth control pills	MYRC8S	3001-3002
Brand of birth control pill code	MYRC9R	3003-3005
Have you ever been pregnant	MYRC10	3006
How many times have you been pregnant	MYRC11	3007
Total number of live births	MYRC12	3008
Age at first live birth - recoded	MYRC13R	3009-3010
Age at the time of last live birth	MYRC14	3011-3012
Did you breastfeed any of your children	MYRC15	3013
How many children did you breastfeed	MYRC16	3014
Are you now pregnant	MYRC17	3015
Month of current pregnancy	MYRC18	3016-3017
Have you been pregnant in the last 2 yrs	MYRC19	3018
Months since last pregnancy ended	MYRC20	3019
Receive benefits from WIC in last 12 mo	MYRC21	3020
Receiving benefits from WIC now	MYRC22	3021
How many months received WIC benefits	MYRC23S	3022-3023
C12 check item used in skip pattern	MYRC24	3024
Are you now breastfeeding your child	MYRC25	3025
Age/sex/pregnancy check item for skip	MYRC26	3026
Ever had sexual intercourse - recoded	MYRC27R	3027
Age at first sexual intercourse	MYRC28	3028-3029
Treated for anemia within past 3 months	MYRD1	3030
How many colds, flu, etc in past 4 weeks	MYRD2	3031-3032
Taken antihistamine in the past 2 days	MYRD3	3033
Taken prescription med in past 24 hrs	MYRD4	3034
Taken vitamins/minerals in past 24 hrs	MYRD5	3035
How often do you eat breakfast	MYRE1	3036
Are you overweight, under, about right	MYRE2	3037
Want to weigh more, less, or stay same	MYRE3	3038
Tried to lose weight in last 12 months	MYRE4	3039
Currently trying to lose weight	MYRE5	3040
Change diet due to health last 12 months	MYRE6	3041
Diet change reason - overweight/obesity	MYRE7A	3042
Diet change reason - high blood pressure	MYRE7B	3043
Diet change - high blood cholesterol	MYRE7C	3044

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Description	Variable Name	Positions
Diet change reason - heart disease	MYRE7D	3045
Diet change reason - diabetes	MYRE7E	3046
Diet change reason - allergies	MYRE7F	3047
Diet change reason - ulcer	MYRE7G	3048
Diet change reason - cancer	MYRE7H	3049
Diet change reason - pregnancy	MYRE7I	3050
Diet change reason - health in general	MYRE7J	3051
Diet change reason - other	MYRE7K	3052
Had at least 12 drinks alcohol in life	MYRF1	3053
Had at least 12 drinks in last 12 months	MYRF2	3054
# of days drank alcohol in past 12 mos	MYRF3S	3055-3057
Avg drinks per day on drinking day	MYRF4	3058-3059
# days had 9+ drinks in past 12 mos	MYRF5S	3060-3062
# days had 5+ drinks in past 12 mos	MYRF6S	3063-3065
Have you ever used marijuana	MYRF7	3066
Number of times used marijuana in life	MYRF8	3067
# of days used marijuana past month	MYRF9	3068-3069
Have you ever used crack or cocaine	MYRF10	3070
Number times used crack/cocaine in life	MYRF11	3071
Days used crack/cocaine in last month	MYRF12	3072
Check item.Respondent relationship to SP	MYRH1	3073
Reason for accepting proxy	MYRH2	3074
Was SP present during interview	MYRH3	3075
Examiner number	MYREXMNR	3076-3079
Language of DIS interview	MQRDLANG	3080
Depression data flag	MQRDPFLG	3081
Mania data flag	MQRMNFLG	3082
Hard copy flag	MQRHCFLG	3083
G1 - DIS data flag	MQRG01	3084
G2 Lifetime depressed mood	MQRG02	3085
G3 2 years depressed mood	MQRG03	3086
G4 Tell doctor about depressed mood	MQRG04	3087
G05 Lost appetite symptom	MQRG05L	3088-3089
G05 Tell doctor	MQRG0501	3090
G06 Lost weight symptom	MQRG06L	3091-3092
G06 Tell doctor	MQRG0601	3093
G07 Gain weight symptom	MQRG07L	3094-3095

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Description	Variable Name	Positions
G07 Tell doctor	MQRG0701	3096
# Pos eating symptom-depression lifetime	MQRDGP1L	3097
G08 Trouble sleep symptom	MQRG08L	3098-3099
G08 Tell doctor	MQRG0801	3100
G09 Sleep too much symptom	MQRG09L	3101-3102
G09 Tell doctor	MQRG0901	3103
# Pos sleep symptoms-depression lifetime	MQRDGP2L	3104
G10 Tired symptom	MQRG10L	3105-3106
G10 Tell doctor	MQRG1001	3107
G10 Symptom comment flag	MQRG1011	3108
# Pos tired symptoms-depression lifetime	MQRDGP3L	3109
G11 Talk/move slowly symptom	MQRG11L	3110-3111
G11 Tell doctor	MQRG1101	3112
G12 Move a lot symptom	MQRG12L	3113-3114
G12 Tell doctor	MQRG1201	3115
# Pos movement sym-depression lifetime	MQRDGP4L	3116
G13 Less sex symptom	MQRG13L	3117-3118
G13 Tell doctor	MQRG1301	3119
G13-D Tell other professional	MQRG1302	3120
G13-E Take medication >=1	MQRG1303	3121
G13-F Interfere alot	MQRG1304	3122
# Pos sexual symptom-depression lifetime	MQRDGP5L	3123
G14 Worthless,sinful or guilty symptom	MQRG14L	3124-3125
# Pos guilt symptoms-depression lifetime	MQRDGP6L	3126
G15 Concentrate symptom	MQRG15L	3127-3128
G15 Tell doctor	MQRG1501	3129
G16 Thoughts slow symptom	MQRG16L	3130-3131
G16 Tell doctor	MQRG1601	3132
# Pos think symptoms-depression lifetime	MQRDGP7L	3133
G17 Thought alot about death symptom	MQRG17L	3134-3135
G18 Felt like wanted to die symptom	MQRG18L	3136-3137
G19 Thought of committing suicide symptom	MQRG19L	3138-3139
G20 Attempted suicide symptom	MQRG20L	3140-3141
# Pos death symptoms-depression lifetime	MQRDGP8L	3142
G21 Check item - ask about dep spells	MQRG21	3143
G22 Feel blue & have problem together	MQRG22	3144
G23 Sure never had problem together	MQRG23	3145
G24 Not feel blue but problem together	MQRG24	3146
G25 Problem together & feeling low	MQRG25	3147

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Description	Variable Name	Positions
G26 Depression longest spell in weeks	MQRG26	3148-3151
G27 # depressed spells lifetime	MQRG27	3152-3154
G28 Tell doctor about depressed spells	MQRG28	3155
G29 Tell profess about depressed spells	MQRG29	3156
G30 Take med during depressed spells	MQRG30	3157
G31 Depressed spells interfere w/ life	MQRG31	3158
G32 Age of first depressed spell	MQRG32	3159-3160
G33 Depressed spells after death	MQRG33	3161
G34 Depressed spell only due to death	MQRG34	3162
G35 Depressed spell now	MQRG35	3163
G36 When last depressed spell end	MQRG36	3164
G37 Age last depressed spell end	MQRG37	3165-3166
G38 Check item - ask about worst spell	MQRG38	3167
G39 Age worst depressed spell	MQRG39	3168-3169
G05 Lost appetite worst	MQRG05W	3170
G06 Lost weight worst	MQRG06W	3171
G07 Gain weight worst	MQRG07W	3172
G08 Trouble sleep worst	MQRG08W	3173
G09 Sleep too much worst	MQRG09W	3174
G10 Tired worst	MQRG10W	3175
G11 Talk/move slowly worst	MQRG11W	3176
G12 Move a lot worst	MQRG12W	3177
G13 Less sex worst	MQRG13W	3178
G14 Worthless,sinful or guilty worst	MQRG14W	3179
G15 Concentrate worst	MQRG15W	3180
G16 Thoughts slow worst	MQRG16W	3181
G17 Thought alot about death worst	MQRG17W	3182
G18 Felt like wanted to die worst	MQRG18W	3183
G19 Thought of committing suicide worst	MQRG19W	3184
G20 Attempted suicide worst	MQRG20W	3185
G41 Excited/high symptom	MQRG41L	3186-3187
G42 More active symptom	MQRG42L	3188-3189
G43 Spending spree symptom	MQRG43L	3190-3191
G44 Strongly sexual symptom	MQRG44L	3192-3193
G45 Talked too fast symptom	MQRG45L	3194-3195
G46 Thoughts raced symptom	MQRG46L	3196-3197
G47 Special gifts symptom	MQRG47L	3198-3199
Example of mania special powers	MQRG47EX	3200
G48 Slept less symptom	MQRG48L	3201-3202

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Description	Variable Name	Positions
G49 Easily distracted symptom	MQRG49L	3203-3204
G50 Check item - ask about mania spells	MQRG50	3205
G51 Feel high & have problems together	MQRG51	3206
G52 Sure never had problems together	MQRG52	3207
G53 Not feel high but problems together	MQRG53	3208
G54 Problems together & irritable	MQRG54	3209
G55 Mania longest spell in weeks	MQRG55	3210-3213
G56 # mania spells lifetime	MQRG56	3214-3216
G57 Tell doctor about mania spells	MQRG57	3217
G58 Tell professional about mania spells	MQRG58	3218
G59 Take medicine during mania spells	MQRG59	3219
G60 Mania spells interfere w/ life	MQRG60	3220
G61 Age of first mania spell	MQRG61	3221-3222
G62 Mania spell now	MQRG62	3223
G63 When last mania spell end	MQRG63	3224
G64 Age last mania spell end	MQRG64	3225-3226
G65 Check item - ask about mania spells	MQRG65	3227
G66 Age worst mania spell	MQRG66	3228-3229
G42 More active worst	MQRG42W	3230
G43 Spending spree worst	MQRG43W	3231
G44 Strongly sexual worst	MQRG44W	3232
G45 Talked too fast worst	MQRG45W	3233
G46 Thoughts raced worst	MQRG46W	3234
G47 Special gifts worst	MQRG47W	3235
G48 Slept less worst	MQRG48W	3236
G49 Easily distracted worst	MQRG49W	3237
# Pos eating sym-depression worst period	MQRDGP1W	3238
# Pos sleep sym- depression worst period	MQRDGP2W	3239
# Pos tired sym-depression worst period	MQRDGP3W	3240
# Pos movement sym-depress worst period	MQRDGP4W	3241
# Pos sexual sym-depression worst period	MQRDGP5W	3242
# Pos guilt sym-depression worst period	MQRDGP6W	3243
# Pos think sym-depression worst period	MQRDGP7W	3244
# Pos death sym-depression worst period	MQRDGP8W	3245
Total pos sym depression groups-worst	MQRDGPSW	3246-3247
Dysphoria for depression	MQRDYSFR	3248
Total pos sym depress + dysphoria -worst	MQRDPSX1	3249-3250
DSMIII major depression	MQRDEP	3251-3252
Age 1st depressive symptoms w/depress DX	MQRFDDP	3253-3254

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Description	Variable Name	Positions
Age last depressive symptom w/depress DX	MQRLDDP	3255-3256
Total pos sym dep groups +dysphoria-life	MQRDPSX2	3257-3258
Pos hyper-act/sex sym-mania worst period	MQRMNG1W	3259
Pos speech symptom - mania worst period	MQRMNG2W	3260
Pos racing thoughts sym-mania worst pd	MQRMNG3W	3261
Pos special gifts sym-mania worst period	MQRMNG4W	3262
Pos less sleep sym-mania worst period	MQRMNG5W	3263
Pos distractibility sym-mania worst pd	MQRMNG6W	3264
Pos spending symptom-mania worst period	MQRMNG7W	3265
Total pos symptom mania groups-worst	MQRMNGSW	3266-3267
One week euphoric/irritable	MQREUFOR	3268
Tot pos sym mania groups+euphoric-worst	MQRMNSX1	3269-3270
DSMIII mania	MQRMANIA	3271-3272
Age first mania symptoms with mania DX	MQRFDMN	3273-3274
Age last mania symptoms with mania DX	MQRLDMN	3275-3276
Tot pos sym mania gps+euphoria-lifetime	MQRMNSX2	3277-3278
DSMIII single episode major depression	MQRDEPSE	3279-3280
Age first dep with single episode dep DX	MQRFDDSE	3281-3282
Age last dep with single episode dep DX	MQRLDDSE	3283-3284
DSMIII recurrent major depression	MQRDEPRT	3285-3286
Age first depressive w/ recurrent dep DX	MQRFDDRT	3287-3288
Age last depressive w/ recurrent dep DX	MQRLDDRT	3289-3290
>= 2 years depressive mood	MQRDYSA	3291
# Lifetime symptoms for dysthymia	MQRDYSD	3292-3293
DSMIII dysthymia	MQRDYSTH	3294-3295
DSMIII bipolar with mania DX	MQRBIPOL	3296-3297
Age first bipolar symptoms w/ bipolar DX	MQRFDBI	3298-3299
Age last bipolar symptoms w/ bipolar DX	MQRLDBI	3300-3301
DSMIII atypical bipolar	MQRBIPII	3302-3303
Age first depressive with bipolar II DX	MQRFDBII	3304-3305
Age last depressive with bipolar II DX	MQRLDBII	3306-3307
Cigarettes smoked in the past 5 days	MARA1	3308-3310
Number of pipes smoked past 5 days	MARA2A	3311-3312
Number of cigars smoked past 5 days	MARA2B	3313-3314
Containsr chew tobacco/snuff past 5 days	MARA3	3315-3316
Pieces of nicotine gum used past 5 days	MARA4	3317-3318
Age check item used in skip pattern	MARB1	3319
Three children: 1st story recall	MARB2A	3320

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Description	Variable Name	Positions
House on fire: 1st story recall	MARB2B	3321
Fireman climbed in: 1st story recall	MARB2C	3322
Children rescued: 1st story recall	MARB2D	3323
Minor injuries: 1st story recall	MARB2E	3324
Everyone well: 1st story recall	MARB2F	3325
Currently trying to lose weight	MARC1	3326
Treated for anemia within past 3 months	MARC2	3327
How many colds, flu, etc in past 4 weeks	MARC3	3328-3329
Times donated blood in past 12 months	MARC4	3330-3331
How long ago was last blood donation-mos	MARC5	3332-3333
Taken antihistamine in the past 2 days	MARC6	3334
Taken prescription med in past 24 hrs	MARC7	3335
Taken vitamins/minerals in past 24 hrs	MARC8	3336
Age check item used in skip pattern	MARD1	3337
Three children: 2nd story recall	MARD2A	3338
House on fire: 2nd story recall	MARD2B	3339
Fireman climbed in: 2nd story recall	MARD2C	3340
Children rescued: 2nd story recall	MARD2D	3341
Minor injuries: 2nd story recall	MARD2E	3342
Everyone well: 2nd story recall	MARD2F	3343
Had at least 12 drinks alcohol in life	MARE1	3344
Had at least 12 drinks in last 12 months	MARE2	3345
# of days drank alcohol in past 12 mos	MARE3S	3346-3348
Number of drinks per day on drinking day	MARE4	3349-3350
# of days had 9+ drinks in past 12 mos	MARE5S	3351-3353
# of days had 5+ drinks in past 12 mos	MARE6S	3354-3356
Ever drink 5+ drinks almost every day	MARE7	3357
Age check item used in skip pattern	MARE8	3358
Have you ever used marijuana	MARE9	3359
How many times used marijuana in life	MARE10	3360
# of days used marijuana in past month	MARE11	3361-3362
Have you ever used crack or cocaine	MARE12	3363
Number times used crack/cocaine in life	MARE13	3364
Days used crack/cocaine in last month	MARE14	3365-3366
Age/sex check item used in skip pattern	MARF1	3367
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Did you breastfeed any of your children	MARF9	3380
How many children did you breastfeed	MARF10	3381-3382
Age check item used in skip pattern	MARF11	3383
Are you now pregnant	MARF12	3384
Pregnancy status recode	MARF12R	3385
Month of current pregnancy	MARF13	3386
Have you been pregnant in the last 2 yrs	MARF14	3387
Months since last pregnancy ended	MARF15	3388
Receive benefits from WIC in last 12 mos	MARF16	3389
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How many months received WIC benefits	MARF18S	3391-3393
F6 check item used in skip pattern	MARF19	3394
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Have you had a period in past 12 months	MARF21	3396
How long ago was your last period	MARF22	3397-3398
How old when had last period - years	MARF23	3399-3401
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How old when you had hysterectomy	MARF26	3405-3407
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Ever have NORPLANT implant	MARF34A	3426
Have NORPLANT implant now	MARF34B	3427
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F-section check item for skip pattern	MARF35	3430
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Description	Variable Name	Positions
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Age when first used hormone patches -yrs	MARF46	3451-3452
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Sex/F51 check item used in skip pattern	MARF52	3464
Was this partner female or male	MARF53	3465
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Specify other relationship to SP	MARH1OS	3476
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Technician number	BDRTECH	3484-3488
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Bone mineral content of femur neck - gm	BDRFNBMC	3495-3499
Bone mineral density femur neck-gm/cm sq	BDRFNBMD	3500-3504
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BMD of intertrochanter region - gm/cm sq	BDRINBMD	3530-3534
Bone area Ward's triangle region - cm sq	BDRWTARE	3535-3539
BMC of Ward's triangle region - gm	BDRWTBMC	3540-3544
BMD of Ward's triangle region - gm/cm sq	BDRWTBMD	3545-3549
Bone area of total region - cm sq	BDRTOARE	3550-3554
Bone mineral content of total region -gm	BDRTOBMC	3555-3559
Bone minrl density total region-gm/cm sq	BDRTOBMD	3560-3564
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d0 value for scan	BDRD0	3570-3574
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Had yellow/orange vegetables past month	HXRB2C	3578
Had green vegetables in past month	HXRB2D	3579
Had meat in past month	HXRB2E	3580
Had egg yolk or egg in past month	HXRB2F	3581
Had combo meat/vegetable dinners past mo	HXRB2G	3582
Had yogurt/cheese, etc in past month	HXRB2H	3583
Had bread,rolls, etc in past month	HXRB2I	3584
Had desserts in past month	HXRB2J	3585
Had breastmilk in past month	HXRB2K	3586
Had formula in past month	HXRB2L	3587
Had regular cow's milk in past month	HXRB2M	3588
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Children rescued: 1st story recall	HXRD2D	3595
Minor injuries: 1st story recall	HXRD2E	3596
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Take prescription med in past 24 hours	HXRE7	3607
Take vitamins/minerals in past 24 hours	HXRE8	3608
Age check item used in skip pattern	HXRF1	3609
Three children: 2nd story recall	HXRF2A	3610
House on fire: 2nd story recall	HXRF2B	3611
Fireman climbed in: 2nd story recall	HXRF2C	3612
Children rescued: 2nd story recall	HXRF2D	3613
Minor injuries: 2nd story recall	HXRF2E	3614
Everyone well: 2nd story recall	HXRF2F	3615
How many cigarettes smoked past 5 days	HXRG1	3616-3618
How many pipes smoked in past 5 days	HXRG2A	3619-3620
How many cigars smoked in past 5 days	HXRG2B	3621-3622
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Sex check item used in skip pattern	HXRH1	3626
How old when menstrual cycles started	HXRH2	3627-3628
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How long since last period	HXRH5	3631-3632
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How old when you had last period	HXRH7	3635-3637
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Have you had a hysterectomy	HXRH9	3639
How old when you had hysterectomy	HXRH10	3640-3642
Have you had one or both ovaries removed	HXRH11	3643
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How many years on estrogen	HXRH22	3668-3669
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Examiner number	HXREXMNR	3672-3675
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Surgical scar - area 1	GURQ8A1	3677
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Surgical scar - area 4	GURQ8A4	3680
Surgical scar - area 5	GURQ8A5	3681
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Thickness of gallbladder wall (mm)	GURQ18	3683-3684
Adjud. finding - largest echo clump (mm)	GURQ24R	3685-3686
Technician primary finding - ultra	GURTDX1	3687-3688
Sonographer - primary finding	GURTDX1R	3689-3690
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Other nonGB find -hepatic/liver -recode	GURQ38R	3692
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Sonographer - secondary finding	GURTDX2R	3706-3707
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Radiologist first reading - finding 1	GURR1DX1	3709-3710
Radiologist first reading - finding 2	GURR1DX2	3711-3712
Radiologist first reading - confidence	GURR1CNF	3713
Radiologist first reading - quality	GURR1QLT	3714
Radiologist ID number - second reading	GURR2ID	3715
Final adjudicated primary finding	GURFDX1R	3716-3717
Final adjudicated secondary finding	GURFDX2R	3718-3719
Technician number	GURTECH	3720-3724
Other nonGB - GB polyp, size(mm,yrs 4-6)	GURGBPSZ	3725-3726
Num of days between 1st exam&this repeat	MXRRDAYS	3727-3729

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Date of MEC exam time in: month	MXRTIMO	3730-3731
Day of week of MEC exam	MXRTIDW	3732
Num of days between 1st exam&this repeat	HXRRDAYS	3733-3735
Date of home exam: month	HXRTIMO	3736-3737
Day of week of home exam	HXRTIDW	3738
How much sleep did you get last night	CNRQ01	3739
Now feeling energetic, ... exhausted	CNRQ02	3740
Familiarity w/ computers: none,some,alot	CNRQ03	3741
# cups caffeine coffee, etc, past 3 hrs	CNRQ04	3742
How many drinks of alcohol in past 3 hrs	CNRQ05	3743
Which hand prefer to use for this test	CNRQ06	3744
Simple Reaction Time Test(SRTT) complete	CNRQ07	3745
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Serial Digit Learning Test (SDLT)	CNRQ09	3747
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Room temperature (degrees Fahrenheit)	CNRTEMP	3750-3752
Examiner number	CNRTECH	3753-3757
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SRTT: Trial 02 reaction time (msec)	CNRRT02	3763-3766
SRTT: Trial 03 reaction time (msec)	CNRRT03	3767-3770
SRTT: Trial 04 reaction time (msec)	CNRRT04	3771-3774
SRTT: Trial 05 reaction time (msec)	CNRRT05	3775-3778
SRTT: Trial 06 reaction time (msec)	CNRRT06	3779-3782
SRTT: Trial 07 reaction time (msec)	CNRRT07	3783-3786
SRTT: Trial 08 reaction time (msec)	CNRRT08	3787-3790
SRTT: Trial 09 reaction time (msec)	CNRRT09	3791-3794
SRTT: Trial 10 reaction time (msec)	CNRRT10	3795-3798
SRTT: Trial 11 reaction time (msec)	CNRRT11	3799-3802
SRTT: Trial 12 reaction time (msec)	CNRRT12	3803-3806
SRTT: Trial 13 reaction time (msec)	CNRRT13	3807-3810
SRTT: Trial 14 reaction time (msec)	CNRRT14	3811-3814
SRTT: Trial 15 reaction time (msec)	CNRRT15	3815-3818
SRTT: Trial 16 reaction time (msec)	CNRRT16	3819-3822
SRTT: Trial 17 reaction time (msec)	CNRRT17	3823-3826
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SRTT: Trial 22 reaction time (msec)	CNRRT22	3843-3846
SRTT: Trial 23 reaction time (msec)	CNRRT23	3847-3850
SRTT: Trial 24 reaction time (msec)	CNRRT24	3851-3854
SRTT: Trial 25 reaction time (msec)	CNRRT25	3855-3858
SRTT: Trial 26 reaction time (msec)	CNRRT26	3859-3862
SRTT: Trial 27 reaction time (msec)	CNRRT27	3863-3866
SRTT: Trial 28 reaction time (msec)	CNRRT28	3867-3870
SRTT: Trial 29 reaction time (msec)	CNRRT29	3871-3874
SRTT: Trial 30 reaction time (msec)	CNRRT30	3875-3878
SRTT: Trial 31 reaction time (msec)	CNRRT31	3879-3882
SRTT: Trial 32 reaction time (msec)	CNRRT32	3883-3886
SRTT: Trial 33 reaction time (msec)	CNRRT33	3887-3890
SRTT: Trial 34 reaction time (msec)	CNRRT34	3891-3894
SRTT: Trial 35 reaction time (msec)	CNRRT35	3895-3898
SRTT: Trial 36 reaction time (msec)	CNRRT36	3899-3902
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SDST: Latency 2, trial 2 (sec)	CNR2LAT2	4043-4047
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SDST: Latency 5, trial 2 (sec)	CNR2LAT5	4058-4062
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NHANES III Data File Index

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GENERAL INFORMATION

The NHANES III Examination Data File contains data collected in the mobile examination center (MEC) as well as data collected during the home examination. The documentation pertaining specifically to the Examination Data File is divided into four main sections. The first section, "General Information," provides information about the contents of the Examination Data File. The second section, "Data File Index," includes a brief description of all the variables on the data set and shows the standard name of each variable and its position in the data set. The third section, "General Notes, Item Descriptions, Codes, Counts, and Notes" provides for each component, a description, the standard variable name and a brief description of the values that variable can take on, a count of the frequency of occurrence of each value, notes by variable, and appendices as necessary. "References" are provided in the fourth section.

Components administered in both the MEC and the home (e.g., spirometry, body measurements, physical function evaluation) are combined in this file if data collection methods were comparable. The file includes information from all the examination components as well as from all the questionnaires administered in the examination center and during the home examination. As noted earlier in this documentation, the second exams were administered following the same protocols as for the primary exam, with the following exceptions: the food frequency questionnaire was not administered to adolescents 12-16 years; and the WISC/WRAT was not administered to youths 6-16 years. Data from blood and urine specimens are not contained in this file, but are in separate NHANES III Laboratory Data Files. Data from two examination components, electrocardiography (ECG) and radiography of the hands and knees, are not included in this file. ECG data will be released later with comparable data from NHANES I and NHANES II. The x-ray data will also be released later, after the images have been digitized. See the Table of Contents for a complete list of components included in this NHANES III data release. Since eligibility for examination components was determined by the age of the examinee, the components of this file are in order according to the target group for each component, from youngest to oldest.

Sample persons were examined in the MEC within four weeks of the household interview. However, a home examination was scheduled for those aged 2-11 months or 20 years and over who were frail or unable to come to the MEC. The home examination was designed to gather certain physical and physiological information on sample persons in their own homes through a subset of components normally done in the MEC. These components were: body measurements, venipuncture, spirometry, cognitive testing, and physical performance testing. Interviewed persons who completed at least one test or examination at the home were defined as home-examined.

Staff recorded all examination data directly into an automated data collection system. All staff received intensive initial training, and formal retraining programs were conducted throughout the survey to ensure that high skill levels were maintained. Details on survey instruments and forms, training manuals, and data collection procedures are published elsewhere (U.S. DHHS, 1996b).

Data processing and editing were performed to ensure internal data consistency within components. Processing procedures are described in each chapter of the this file. Notes are provided for standardized and recoded variables, and for variables requiring additional information. In some cases exceptions to the NHANES III conventions made in order to enable NHANES III results comparisons with results from earlier surveys or other studies. Such exceptions are described in the introduction to the affected component or in individual variable notes.

One should note that for components such as the Dental Examination and Audiometry which include negative value responses, value labels that include ranges use a hyphen to indicate a range, from negative to positive. For example, a range of -10 to 105 is written as -10-105.

Since NHANES III is based on a complex, multistage sample design, appropriate sampling weights should be used in analyses to produce national estimates of prevalence and associated variances while accounting for unequal probability of selection of sample persons. The final MEC examination weight, WTPFEX6, should be used for analysis of the questionnaires and measurements administered in the MEC (except for the allergy and central nervous system tests, which were performed on half-samples and have their own weights), as well as for a combined analysis of measurements from the MEC examinations and associated medical history questions from the household interview. The final MEC+home examination weight, WTPFH6, should be used only in conjunction with the MEC+home examined sample, and only with items collected in both the MEC and the home.

NHANES III Examination Data File

N=2596 DATASET=EXAMSE
DOCUMENTATION DATE=06/17/99

HOUSEHOLD SCREENER QUESTIONNAIRE (HSQ)

Positions Item description
SAS name Counts and code Notes

 1-5 Sample person identification number
SEQN 2596 00009-53616

PHYSICIAN'S EXAMINATION

Examinations were conducted on all examinees by a trained physician in the mobile examination center (MEC). The protocol for this component did not detail any medical, safety, or other exclusions.

Because this component was administered in the examination center, the MEC examination sample weight (WTPFEX6) should be used for data analysis. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

The examination was performed by a board-eligible physician. Depending on the examinee's age, the examination included observation of gait, eye, and limb abnormalities; a joint examination of upper and lower extremities; blood pressure measurements; evaluation of heart and breath sounds; Tanner staging and breast-size measurements; and bioelectrical impedance analysis (BIA) resistance and reactance measurements.

Refer to Chapter 3 of the Physician Examiners Training Manual (U.S. DHHS, 1996b) and Pulse and Blood Pressure Procedures for Household Interviewers (U.S. DHHS, 1996b) for descriptions of data collection procedures and methods.

Although the BIA measures were recorded during the physician's examination, these data are included in the Body Measurements section of this data file.

Three sets of blood pressure measurements were taken in the examination center on examinees aged five years and over. For children and adolescents (aged 5-19 years), three Korotkoff (K) sounds were recorded: K1 (systolic); K4, muffling of pulse sounds (diastolic); and K5, disappearance of pulse sounds (diastolic). For adults (aged 20 years and over), only K1 (systolic) and K5 (diastolic) measurements were obtained. All blood pressure determinations were recorded to the nearest even number. Blood pressure measurements were also taken by trained interviewers during the household interview, on sample persons aged seventeen years and over. These data can be found in the NHANES III Household Adult Data File as part of the Household Adult Questionnaire in variables HAZA1-HAZNOK5R. Both physicians and interviewers took measurements using a mercury sphygmomanometer (W. A. Baum Co., Inc, Copiague, NY) according to the standardized blood pressure measurement protocols recommended by the American Heart Association (Frohlich, 1988).

In addition to taking part in an initial training course specific to the NHANES III examination procedures, examining physicians participated in a formal, annual re-training program. Their work in the field was monitored for quality by consultants and NCHS staff who visited the mobile examination centers; monitoring occurred once a month in the earlier years and every three months during the latter part of the survey.

For additional blood pressure quality control, physicians and household interviewers received a day and a half of initial blood pressure measurement training, were recertified quarterly, and were

retrained annually. Training consisted of instruction in the recognition of Korotkoff sounds using videotaped blood pressure examples, comparison of blood pressure readings with those of instructors using double-headed stethoscopes, and practice with volunteer subjects. Physicians and household interviewers who exhibited end-digit preferences, high/low measurement bias, or lack of consistent measurements repeated the training until their performances were deemed satisfactory for certification. Physicians and household interviewers were given hearing tests at the beginning of their employment and yearly thereafter.

Note that the coded values for "Yes" (2) and "No" (1) responses in the physician's examination vary from the usual coded values for "Yes" (1) and "No" (2) found in most other places in the NHANES III data files. They match the codes found on the Physician's Examination form (U.S. DHHS, 1996b).

Also note that a number of areas (joint examination, dermatitis, chest, and heart examination) in the Physician's Examination allow for multiple responses. For example, on the wrist examination (PER4A, PER4A1, PER4A2, and PER4A3), the examining physician may have found both tenderness and swelling (PER4A1=2 and PER4A2=2). Consequently, the overall positive findings in the detailed questions (PER4A1, PER4A2, and PER4A3) may exceed the number of positive findings reported in the lead question (PER4A).

Moreover, individuals classified as having a positive finding in a lead question may have an 8-fill, "Blank but applicable," in one of the associated detailed questions. The examining physician may have used "Blank but applicable" to account for situations in which he/she was unable to observe or examine the specific abnormality.

When blood pressure measurement data were edited and it was discovered that examinees aged twenty years and over were missing one of a K1/K5 pair of blood pressure measurements, the remaining one was made "Blank but applicable." However, for examinees under twenty years of age who lacked one or two of a set of K1/K4/K5 blood pressure measurements, a different approach was taken. In the majority of these cases, the missing values were for K4 and K5 measurements. Because the literature on pediatric blood pressure suggests that systolic blood pressure is the most reliable determination (Uhari, 1991), it was not desirable to delete this value if the associated K4 and/or K5 values were missing. Therefore, K1 values in the data set were retained without the corresponding K4 or K5 values. This accounts for discrepancies in counts between K1 and K5 determinations (between PER6G1 and PER6G3, PER6H1 and PER6H3, and PER6I1 and PER6I3). Finally, when K4 was equal to K5, K4 was coded as "Blank but applicable."

The analyst should be aware of the potential for observer bias when analyzing these data. During the six years of the survey, the number of examinations performed by each physician varied widely among the twelve physicians, from as few as 199 to as many as 9,529.

Data processing and editing were performed to ensure internal data consistency. Notes have been provided for variables requiring additional explanation.

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

LOCOMOTION

Positions SAS name	Counts	Item description and code	Notes
6 PER1		Overall findings for locomotion (3 years and over)	
	1567	1 No findings	
	82	2 Yes, findings	
	209	8 Blank but applicable	
	738	Blank	
7 PER1A1		Limp or shuffle (3 years and over)	
	1586	1 No findings	
	61	2 Yes, limp or shuffle	
	211	8 Blank but applicable	
	738	Blank	
8 PER1A2		Other gait abnormalities (3 years and over)	
	1623	1 No findings	
	24	2 Yes, other gait abnormality	
	211	8 Blank but applicable	
	738	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

EYES

Positions SAS name	Counts	Item description and code	Notes
9 PER2		Eye globe missing or blind (2 months - 18 years)	
	366	1 No, intact and functional	
	2	2 Right	
	1	4 Both	
	44	8 Blank but applicable	
	2183	Blank	
10 PER2A		Tracks light (2 months - 4 years)	
	4	1 Yes	
	1	8 Blank but applicable	
	2591	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

EYES

Positions		Item description	
SAS name	Counts	and code	Notes
11		Strabismus by observation or by	
PER2B		cover/uncover test (5-18 years)	
	344	1 No strabismus	
	9	2 Observation	
	9	3 Cover/uncover test	
	46	8 Blank but applicable	
	2188	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

OBSERVATION

Positions SAS name	Counts	Item description and code	Notes
12 PER3A		Overall findings in paralysis category (paralysis/paresis of arm or leg or in a wheelchair) (all ages)	
	1641	1 No findings	
	9	2 Yes, findings	
	209	8 Blank but applicable	
	737	Blank	
13 PER3A1A		Paralysis/paresis of arm (all ages)	
	1645	1 No findings, normal legs	
	2	2 Right	
	1	3 Left	
	2	4 Both	
	209	8 Blank but applicable	
	737	Blank	
14 PER3A1B		Paralysis/paresis of leg (all ages)	
	1644	1 No findings, normal legs	
	1	2 Right	
	1	3 Left	
	4	4 Both	
	209	8 Blank but applicable	
	737	Blank	
15 PER3A2		In a wheelchair or stretcher (all ages)	See note
	1648	1 No findings	
	2	2 Yes	
	209	8 Blank but applicable	
	737	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

OBSERVATION

Positions SAS name	Counts	Item description and code	Notes
16 PER3B1		Overall findings for amputee/cast section (shoulder, elbow, wrist, fingers) (all ages)	
	1643	1 No findings	
	6	2 Yes, findings	
	210	8 Blank but applicable	
	737	Blank	
17-18 PER3LARM		Amputee/cast, left arm (all ages)	See note
	839	01 No findings	
	174	88 Blank but applicable	
	1583	Blank	
19-20 PER3RARM		Amputee/cast, right arm (all ages)	See note
	839	01 No findings	
	174	88 Blank but applicable	
	1583	Blank	
21 PER3BFL1		Amputee/cast, left finger 1 (all ages)	See note
	1648	1 No findings	
	1	2 Yes, cast	
	210	8 Blank but applicable	
	737	Blank	
22 PER3BFL2		Amputee/cast, left finger 2 (all ages)	See note
	1648	1 No findings	
	1	2 Yes, cast	
	210	8 Blank but applicable	
	737	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

OBSERVATION

Positions SAS name	Counts	Item description and code	Notes
23 PER3BFL3	1649	Amputee/cast, left finger 3 (all ages) 1 No findings	See note
	210	8 Blank but applicable	
	737	Blank	
24 PER3BFL4	1649	Amputee/cast, left finger 4 (all ages) 1 No findings	See note
	210	8 Blank but applicable	
	737	Blank	
25 PER3BFL5	1648	Amputee/cast, left finger 5 (all ages) 1 No findings	See note
	1	3 Yes, amputee	
	210	8 Blank but applicable	
	737	Blank	
26 PER3BFR1	1648	Amputee/cast, right finger 1 (all ages) 1 No findings	See note
	211	8 Blank but applicable	
	737	Blank	
27 PER3BFR2	1647	Amputee/cast, right finger 2 (all ages) 1 No findings	See note
	1	2 Yes, cast	
	211	8 Blank but applicable	
	737	Blank	
28 PER3BFR3	1648	Amputee/cast, right finger 3 (all ages) 1 No findings	See note
	211	8 Blank but applicable	
	737	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

OBSERVATION

Positions SAS name	Counts	Item description and code	Notes
29 PER3BFR4	1647	Amputee/cast, right finger 4 (all ages) 1 No findings	See note
	1	2 Yes, cast	
	211	8 Blank but applicable	
	737	Blank	
30 PER3BFR5	1648	Amputee/cast, right finger 5 (all ages) 1 No findings	See note
	211	8 Blank but applicable	
	737	Blank	
31 PER3B2		Overall findings for amputee/cast leg section (hip, knee, ankle, great toes) (all ages)	
	1644	1 No findings	
	5	2 Yes, findings	
	210	8 Blank but applicable	
	737	Blank	
32-33 PER3LLEG	840	Amputee/cast, left leg (all ages) 01 No findings	See note
	173	88 Blank but applicable	
	1583	Blank	
34-35 PER3RLEG	839	Amputee/cast, right leg (all ages) 01 No findings	See note
	1	04 Amputee below hip/above knee joint	
	173	88 Blank but applicable	
	1583	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

OBSERVATION

Positions SAS name	Counts	Item description and code	Notes
36 PER3B2TR		Amputee/cast, right great toe (all ages)	See note
	806	1 No findings	
	3	2 Yes, amputee/cast	
	37	8 Blank but applicable	
	1750	Blank	
37 PER3B2TL		Amputee/cast, left great toe (all ages)	See note
	807	1 No findings	
	2	2 Yes, amputee/cast	
	37	8 Blank but applicable	
	1750	Blank	
38 PER4A		Overall wrist findings for hand joint manifestations section (tender, swelling, pain) (60 years and over)	
	380	1 No tenderness	
	27	2 Yes, findings	
	46	8 Blank but applicable	
	2143	Blank	
39 PER4A1		Wrist: tender on palpation (60 years and over)	
	389	1 No tenderness	
	7	2 Right	
	7	3 Left	
	4	4 Both	
	46	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
40 PER4A2	399	Wrist: swelling (60 years and over) 1 No swelling	
	3	2 Right	
	3	3 Left	
	2	4 Both	
	46	8 Blank but applicable	
	2143	Blank	
41 PER4A3	391	Wrist: pain on passive motion (60 years and over) 1 No pain	
	7	2 Right	
	5	3 Left	
	4	4 Both	
	46	8 Blank but applicable	
	2143	Blank	
42 PER4CMC	181	Overall findings for carpometacarpal (CMC) joint manifestations section (60 years and over) (during years 4, 5, and 6 of the survey) 1 No findings	
	23	2 Yes, findings	
	37	8 Blank but applicable	
	2355	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
43 PER4CMCC		CMC joint: crepitus (60 years and over) (during years 4, 5, and 6 of the survey)	
	197	1 No crepitus	
	3	2 Right	
	3	3 Left	
	1	4 Both	
	37	8 Blank but applicable	
	2355	Blank	
44 PER4CMCT		CMC joint: tender on palpation (60 years and over) (during years 4, 5, and 6 of the survey)	
	188	1 No tenderness	
	9	2 Right	
	3	3 Left	
	4	4 Both	
	37	8 Blank but applicable	
	2355	Blank	
45 PER4CMCS		CMC joint: swelling (60 years and over) (during years 4, 5, and 6 of the survey)	
	204	1 No swelling	
	37	8 Blank but applicable	
	2355	Blank	
46 PER4CMCP		CMC joint: pain on passive motion (60 years and over) (during years 4, 5, and 6 of the survey)	
	197	1 No pain	
	4	2 Right	
	3	4 Both	
	37	8 Blank but applicable	
	2355	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
47 PER4B		Overall findings for metacarpophalangeal (MCP) joint in hand joint manifestations section (60 years and over)	
	350	1 No findings	
	60	2 Yes, findings	
	43	8 Blank but applicable	
	2143	Blank	
48 PER4BTR1		Right finger 1, MCP joint: tenderness (60 years and over)	
	402	1 No tenderness	
	8	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
49 PER4BTR2		Right finger 2, MCP joint: tenderness (60 years and over)	
	402	1 No tenderness	
	8	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
50 PER4BTR3		Right finger 3, MCP joint: tenderness (60 years and over)	
	398	1 No tenderness	
	12	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
51 PER4BTR4		Right finger 4, MCP joint: tenderness (60 years and over)	
	403	1 No tenderness	
	7	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
52 PER4BTR5		Right finger 5, MCP joint: tenderness (60 years and over)	
	405	1 No tenderness	
	5	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
53 PER4BTL1		Left finger 1, MCP joint: tenderness (60 years and over)	
	400	1 No tenderness	
	9	2 Tenderness	
	44	8 Blank but applicable	
	2143	Blank	
54 PER4BTL2		Left finger 2, MCP joint: tenderness (60 years and over)	
	400	1 No tenderness	
	10	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
55 PER4BTL3		Left finger 3, MCP joint: tenderness (60 years and over)	
	402	1 No tenderness	
	8	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
56 PER4BTL4		Left finger 4, MCP joint: tenderness (60 years and over)	
	405	1 No tenderness	
	5	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
57 PER4BTL5		Left finger 5, MCP joint: tenderness (60 years and over)	
	405	1 No tenderness	
	4	2 Tenderness	
	44	8 Blank but applicable	
	2143	Blank	
58 PER4BSR1		Right finger 1, MCP joint: swelling (60 years and over)	
	407	1 No swelling	
	3	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
59 PER4BSR2		Right finger 2, MCP joint: swelling (60 years and over)	
	404	1 No swelling	
	6	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
60 PER4BSR3		Right finger 3, MCP joint: swelling (60 years and over)	
	401	1 No swelling	
	9	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
61 PER4BSR4		Right finger 4, MCP joint: swelling (60 years and over)	
	407	1 No swelling	
	3	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
62 PER4BSR5		Right finger 5, MCP joint: swelling (60 years and over)	
	408	1 No swelling	
	2	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
63 PER4BSL1		Left finger 1, MCP joint: swelling (60 years and over)	
	406	1 No swelling	
	3	2 Swelling	
	44	8 Blank but applicable	
	2143	Blank	
64 PER4BSL2		Left finger 2, MCP joint: swelling (60 years and over)	
	403	1 No swelling	
	7	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
65 PER4BSL3		Left finger 3, MCP joint: swelling (60 years and over)	
	403	1 No swelling	
	7	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
66 PER4BSL4		Left finger 4, MCP joint: swelling (60 years and over)	
	407	1 No swelling	
	3	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
67 PER4BSL5		Left finger 5, MCP joint: swelling (60 years and over)	
	408	1 No swelling	
	1	2 Swelling	
	44	8 Blank but applicable	
	2143	Blank	
68 PER4BPR1		Right finger 1, MCP joint: pain on passive motion (60 years and over)	
	400	1 No pain	
	10	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
69 PER4BPR2		Right finger 2, MCP joint: pain on passive motion (60 years and over)	
	404	1 No pain	
	6	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
70 PER4BPR3		Right finger 3, MCP joint: pain on passive motion (60 years and over)	
	402	1 No pain	
	8	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
71 PER4BPR4		Right finger 4, MCP joint: pain on passive motion (60 years and over)	
	402	1 No pain	
	8	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
72 PER4BPR5		Right finger 5, MCP joint: pain on passive motion (60 years and over)	
	400	1 No pain	
	6	2 Pain	
	47	8 Blank but applicable	
	2143	Blank	
73 PER4BPL1		Left finger 1, MCP joint: pain on passive motion (60 years and over)	
	402	1 No pain	
	7	2 Pain	
	44	8 Blank but applicable	
	2143	Blank	
74 PER4BPL2		Left finger 2, MCP joint: pain on passive motion (60 years and over)	
	404	1 No pain	
	6	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
75 PER4BPL3		Left finger 3, MCP joint: pain on passive motion (60 years and over)	
	404	1 No pain	
	6	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
76 PER4BPL4		Left finger 4, MCP joint: pain on passive motion (60 years and over)	
	405	1 No pain	
	5	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
77 PER4BPL5		Left finger 5, MCP joint: pain on passive motion (60 years and over)	
	406	1 No pain	
	3	2 Pain	
	44	8 Blank but applicable	
	2143	Blank	
78 PER4CTR2		Right finger 2, proximal interphalangeal (PIP) joint: tenderness (60 years and over)	
	397	1 No tenderness	
	13	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
79 PER4CTR3		Right finger 3, PIP joint: tenderness (60 years and over)	
	394	1 No tenderness	
	16	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
80 PER4CTR4		Right finger 4, PIP joint: tenderness (60 years and over)	
	392	1 No tenderness	
	18	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
81 PER4CTR5		Right finger 5, PIP joint: tenderness (60 years and over)	
	399	1 No tenderness	
	11	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
82 PER4CTL2		Left finger 2, PIP joint: tenderness (60 years and over)	
	393	1 No tenderness	
	17	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
83 PER4CTL3		Left finger 3, PIP joint: tenderness (60 years and over)	
	394	1 No tenderness	
	16	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
84 PER4CTL4		Left finger 4, PIP joint: tenderness (60 years and over)	
	396	1 No tenderness	
	14	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
85 PER4CTL5		Left finger 5, PIP joint: tenderness (60 years and over)	
	399	1 No tenderness	
	10	2 Tenderness	
	44	8 Blank but applicable	
	2143	Blank	
86 PER4CSR2		Right finger 2, PIP joint: swelling (60 years and over)	
	402	1 No swelling	
	8	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
87 PER4CSR3		Right finger 3, PIP joint: swelling (60 years and over)	
	403	1 No swelling	
	7	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
88 PER4CSR4		Right finger 4, PIP joint: swelling (60 years and over)	
	406	1 No swelling	
	4	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
89 PER4CSR5		Right finger 5, PIP joint: swelling (60 years and over)	
	406	1 No swelling	
	4	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
90 PER4CSL2		Left finger 2, PIP joint: swelling (60 years and over)	
	404	1 No swelling	
	6	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
91 PER4CSL3		Left finger 3, PIP joint: swelling (60 years and over)	
	403	1 No swelling	
	7	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
92 PER4CSL4		Left finger 4, PIP joint: swelling (60 years and over)	
	406	1 No swelling	
	4	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
93 PER4CSL5		Left finger 5, PIP joint: swelling (60 years and over)	
	405	1 No swelling	
	4	2 Swelling	
	44	8 Blank but applicable	
	2143	Blank	
94 PER4CPR2		Right finger 2, PIP joint: pain on passive motion (60 years and over)	
	403	1 No pain	
	7	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
95 PER4CPR3		Right finger 3, PIP joint: pain on passive motion (60 years and over)	
	399	1 No pain	
	11	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
96 PER4CPR4		Right finger 4, PIP joint: pain on passive motion (60 years and over)	
	403	1 No pain	
	7	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
97 PER4CPR5		Right finger 5, PIP joint: pain on passive motion (60 years and over)	
	404	1 No pain	
	6	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
98 PER4CPL2		Left finger 2, PIP joint: pain on passive motion (60 years and over)	
	400	1 No pain	
	10	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
99 PER4CPL3		Left finger 3, PIP joint: pain on passive motion (60 years and over)	
	403	1 No pain	
	7	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
100 PER4CPL4		Left finger 4, PIP joint: pain on passive motion (60 years and over)	
	402	1 No pain	
	8	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
101 PER4CPL5		Left finger 5, PIP joint: pain on passive motion (60 years and over)	
	402	1 No pain	
	7	2 Pain	
	44	8 Blank but applicable	
	2143	Blank	
102 PER4DTR1		Right finger 1, interphalangeal (IP) joint: tenderness (60 years and over)	
	402	1 No tenderness	
	8	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
103 PER4DTR2		Right finger 2, distal interphalangeal (DIP) joint: tenderness (60 years and over)	
	395	1 No tenderness	
	15	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
104 PER4DTR3		Right finger 3, DIP joint: tenderness (60 years and over)	
	398	1 No tenderness	
	12	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
105 PER4DTR4		Right finger 4, DIP joint: tenderness (60 years and over)	
	396	1 No tenderness	
	14	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
106 PER4DTR5		Right finger 5, DIP joint: tenderness (60 years and over)	
	400	1 No tenderness	
	10	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
107 PER4DTL1		Left finger 1, IP joint: tenderness (60 years and over)	
	404	1 No tenderness	
	5	2 Tenderness	
	44	8 Blank but applicable	
	2143	Blank	
108 PER4DTL2		Left finger 2, DIP joint: tenderness (60 years and over)	
	399	1 No tenderness	
	11	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
109 PER4DTL3		Left finger 3, DIP joint: tenderness (60 years and over)	
	400	1 No tenderness	
	10	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	
110 PER4DTL4		Left finger 4, DIP joint: tenderness (60 years and over)	
	398	1 No tenderness	
	12	2 Tenderness	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
111 PER4DTL5		Left finger 5, DIP joint: tenderness (60 years and over)	
	402	1 No tenderness	
	7	2 Tenderness	
	44	8 Blank but applicable	
	2143	Blank	
112 PER4DSR1		Right finger 1, IP joint: swelling (60 years and over)	
	406	1 No swelling	
	4	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
113 PER4DSR2		Right finger 2, DIP joint: swelling (60 years and over)	
	407	1 No swelling	
	3	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
114 PER4DSR3		Right finger 3, DIP joint: swelling (60 years and over)	
	409	1 No swelling	
	1	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
115 PER4DSR4		Right finger 4, DIP joint: swelling (60 years and over)	
	408	1 No swelling	
	2	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
116 PER4DSR5		Right finger 5, DIP joint: swelling (60 years and over)	
	408	1 No swelling	
	2	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
117 PER4DSL1		Left finger 1, IP joint: swelling (60 years and over)	
	406	1 No swelling	
	3	2 Swelling	
	44	8 Blank but applicable	
	2143	Blank	
118 PER4DSL2		Left finger 2, DIP joint: swelling (60 years and over)	
	406	1 No swelling	
	4	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
119 PER4DSL3		Left finger 3, DIP joint: swelling (60 years and over)	
	407	1 No swelling	
	3	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
120 PER4DSL4		Left finger 4, DIP joint: swelling (60 years and over)	
	408	1 No swelling	
	2	2 Swelling	
	43	8 Blank but applicable	
	2143	Blank	
121 PER4DSL5		Left finger 5, DIP joint: swelling (60 years and over)	
	405	1 No swelling	
	4	2 Swelling	
	44	8 Blank but applicable	
	2143	Blank	
122 PER4DPR1		Right finger 1, IP joint: pain on passive motion (60 years and over)	
	405	1 No pain	
	5	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
123 PER4DPR2		Right finger 2, DIP joint: pain on passive motion (60 years and over)	
	402	1 No pain	
	8	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
124 PER4DPR3		Right finger 3, DIP joint: pain on passive motion (60 years and over)	
	403	1 No pain	
	7	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
125 PER4DPR4		Right finger 4, DIP joint: pain on passive motion (60 years and over)	
	404	1 No pain	
	6	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
126 PER4DPR5		Right finger 5, DIP joint: pain on passive motion (60 years and over)	
	402	1 No pain	
	8	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
127 PER4DPL1		Left finger 1, IP joint: pain on passive motion (60 years and over)	
	403	1 No pain	
	6	2 Pain	
	44	8 Blank but applicable	
	2143	Blank	
128 PER4DPL2		Left finger 2, DIP joint: pain on passive motion (60 years and over)	
	405	1 No pain	
	5	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
129 PER4DPL3		Left finger 3, DIP joint: pain on passive motion (60 years and over)	
	404	1 No pain	
	6	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	
130 PER4DPL4		Left finger 4, DIP joint: pain on passive motion (60 years and over)	
	403	1 No pain	
	7	2 Pain	
	43	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
131 PER4DPL5		Left finger 5, DIP joint: pain on passive motion (60 years and over)	
	403	1 No pain	
	6	2 Pain	
	44	8 Blank but applicable	
	2143	Blank	
132 PER4CMCJ		Bony thickening/spurs at CMC joint (60 years and over) (during years 4, 5, and 6 of the survey)	
	176	1 No thickening/spurs	
	2	2 Right	
	6	3 Left	
	20	4 Both	
	37	8 Blank but applicable	
	2355	Blank	
133 PER4E1		Overall deformities findings in upper extremities section (60 years and over)	
	190	1 No findings	
	216	2 Yes, findings	
	47	8 Blank but applicable	
	2143	Blank	
134 PER4E1A		Heberden's nodes (DIP) (60 years and over)	
	222	1 No Heberden's nodes	
	45	2 Right hand	
	12	3 Left hand	
	127	4 Both hands	
	47	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
135 PER4E1B		Bouchard's nodes (PIP) (60 years and over)	
	317	1 No Bouchard's nodes	
	11	2 Right hand	
	3	3 Left hand	
	75	4 Both hands	
	47	8 Blank but applicable	
	2143	Blank	
136 PER4E1C		Swan neck (60 years and over)	
	395	1 No Swan neck	
	1	2 Right hand	
	4	3 Left hand	
	6	4 Both hands	
	47	8 Blank but applicable	
	2143	Blank	
137 PER4E1D		Boutonniere joints (60 years and over)	
	398	1 No Boutonniere joints	
	2	2 Right hand	
	2	3 Left hand	
	4	4 Both hands	
	47	8 Blank but applicable	
	2143	Blank	
138 PER4E1E		Ulnar deviation or subluxation at MCP or wrist (60 years and over)	
	391	1 No deviation or subluxation	
	4	2 Right	
	11	4 Both	
	47	8 Blank but applicable	
	2143	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

UPPER EXTREMITIES JOINT EXAMINATION

Positions		Item description	
SAS name	Counts	and code	Notes

139		Subcutaneous nodules on shaft of forearm	
PER4E1F		(60 years and over)	
	405	1 No nodules	
	1	4 Both	
	47	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

CENTRAL PULSE RATE

Positions SAS name	Counts	Item description and code	Notes
140-142 PER5R		Central pulse rate (beats/min) (2 months - 4 years)	See note
	1	094	
	1	096	
	1	100	
	1	116	
	1	888 Blank but applicable	
	2591	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

BLOOD PRESSURE

Positions SAS name	Counts	Item description and code	Notes
143 PER6A		Cuff size used (5 years and over)	
	7	1 Infant	
	189	2 Child	
	957	3 Adult	
	473	4 Large	
	29	5 Thigh	
	198	8 Blank but applicable	
	743	Blank	
144 PER6B		Arm selected (5 years and over)	
	1450	1 Right	
	205	2 Left	
	198	8 Blank but applicable	
	743	Blank	
145 PER6C		Have you had any alcohol, coffee or cigarettes in the past 30 minutes? (5 years and over)	
	22	1 Yes	
	1633	2 No	
	198	8 Blank but applicable	
	743	Blank	
146-148 PER6DR		Radial pulse rate (beats/min) (5 years and over)	See note
	1656	040-116	
	197	888 Blank but applicable	
	743	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

BLOOD PRESSURE

Positions SAS name	Counts	Item description and code	Notes
149 PER6E	61	Irregular pulse (5 years and over) 1 Yes	
	1595	2 No	
	197	8 Blank but applicable	
	743	Blank	
150-152 PER6F		Maximum inflation level (MIL, mm Hg) (5 years and over)	See note
	1654	100-270	
	199	888 Blank but applicable	
	743	Blank	
153-155 PER6G1		First Korotkoff sound (K1), systolic, for first blood pressure (BP) measurement (mm Hg) (5 years and over)	
	1646	072-216	
	207	888 Blank but applicable	
	743	Blank	
156-158 PER6G2		Fourth Korotkoff sound (K4), diastolic, for first BP measurement (mm Hg) (5-19 years)	
	291	024-092	
	139	888 Blank but applicable	
	2166	Blank	
159-161 PER6G3		Fifth Korotkoff sound (K5), diastolic, for first BP measurement (mm Hg) (5 years and over)	See note
	1646	000-112	
	207	888 Blank but applicable	
	743	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

BLOOD PRESSURE

Positions SAS name	Counts	Item description and code	Notes
162 PER6G4		First BP measurement refused (5 years and over)	
	1	1 Yes, refused	
	1659	2 No, did not refuse	
	193	8 Blank but applicable	
	743	Blank	
163-165 PER6H1		K1, systolic, for second BP measurement (mm Hg) (5 years and over)	
	1648	072-214	
	205	888 Blank but applicable	
	743	Blank	
166-168 PER6H2		K4, diastolic, for second BP measurement (mm Hg) (5-19 years)	
	313	030-092	
	117	888 Blank but applicable	
	2166	Blank	
169-171 PER6H3		K5, diastolic, for second BP measurement See note (mm Hg) (5 years and over)	
	1648	000-112	
	205	888 Blank but applicable	
	743	Blank	
172 PER6H4		Second BP measurement refused (5 years and over)	
	1	1 Yes, refused	
	1659	2 No, did not refuse	
	193	8 Blank but applicable	
	743	Blank	

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PHYSICIAN'S EXAMINATION

BLOOD PRESSURE

Positions SAS name	Counts	Item description and code	Notes
173-175 PER6I1		K1, systolic, for third BP measurement (mm Hg) (5 years and over)	
	1646	068-216	
	207	888 Blank but applicable	
	743	Blank	
176-178 PER6I2		K4, diastolic, for third BP measurement (mm Hg) (5-19 years)	
	304	036-092	
	126	888 Blank but applicable	
	2166	Blank	
179-181 PER6I3		K5, diastolic, for third BP measurement (mm Hg) (5 years and over)	See note
	1644	000-114	
	209	888 Blank but applicable	
	743	Blank	
182 PER6I4		Third BP measurement refused (5 years and over)	
	1660	2 No, did not refuse	
	193	8 Blank but applicable	
	743	Blank	
183-185 PERMKN1R		Overall average K1, systolic, blood pressure from household and examination center measurements (5 years and over)	See note
	1816	073-206	
	37	888 Blank but applicable	
	743	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

BLOOD PRESSURE

Positions SAS name	Counts	Item description and code	Notes
186-187 PERNOK1R		Number of measurements used to compute the overall average K1, systolic, blood pressure from household and examination center measurements (5 years and over)	
	5	01	
	4	02	
	523	03	
	5	04	
	19	05	
	1259	06	
	1	07	
	37	88 Blank but applicable	
	743	Blank	
188-190 PERMKN5R		Overall average K5, diastolic, blood pressure from household and examination center measurements (5 years and over)	See note
	1783	020-121	
	70	888 Blank but applicable	
	743	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

BLOOD PRESSURE

Positions SAS name	Counts	Item description and code	Notes
191-192 PERNOK5R		Number of measurements used to compute the overall average K5, diastolic, blood pressure from household and examination center measurements (5 years and over)	
	13	01	
	27	02	
	471	03	
	8	04	
	23	05	
	1240	06	
	1	07	
	70	88	Blank but applicable
	743	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

CHEST

Positions SAS name	Counts	Item description and code	Notes
193 PER7		Overall findings for chest section (decreased breath sounds, adventitious sounds) (all ages)	
	1595	1 No findings	
	54	2 Yes, findings	
	210	8 Blank but applicable	
	737	Blank	
194 PER7A1R		Decreased breath sounds in posterior portion of right lung (all ages)	
	1613	1 No decreased breath sounds	
	36	2 Decreased breath sounds	
	210	8 Blank but applicable	
	737	Blank	
195 PER7A1L		Decreased breath sounds in posterior portion of left lung (all ages)	
	1619	1 No decreased breath sounds	
	30	2 Decreased breath sounds	
	210	8 Blank but applicable	
	737	Blank	
196 PER7A2R		Adventitious sounds (rales, wheezes, rhonchi) in posterior portion of right lung (all ages)	
	1631	1 No adventitious sounds	
	18	2 Adventitious sounds	
	210	8 Blank but applicable	
	737	Blank	

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SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

CHEST

Positions SAS name	Counts	Item description and code	Notes
197 PER7A2L		Adventitious sounds (rales, wheezes, rhonchi) in posterior portion of left lung (all ages)	
	1633	1 No adventitious sounds	
	16	2 Adventitious sounds	
	210	8 Blank but applicable	
	737	Blank	
198 PER8		Overall findings for heart section (systolic and diastolic murmurs) (all ages)	
	1598	1 No findings	
	51	2 Yes, findings	
	210	8 Blank but applicable	
	737	Blank	
199-200 PER8A		Systolic murmur (all ages)	
	1598	00 None	
	17	01 Grade 01	
	17	02 Grade 02	
	10	03 Grade 03	
	5	04 Grade 04	
	2	05 Grade 05	
	210	88 Blank but applicable	
	737	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

HEART

Positions		Item description		
SAS name	Counts	and code		Notes
201-202		Diastolic murmur (all ages)		
PER8B	1647	00	None	
	2	01	Grade 01	
	210	88	Blank but applicable	
	737	Blank		

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

DERMATITIS

Positions SAS name	Counts	Item description and code	Notes
203 PER9		Overall findings for dermatitis section (hand dermatitis on palms, dorsa, or palmar or dorsal fingers or lichenified dermatitis on wrists, elbows or knees) (5-59 years)	
	1216	1 No findings	
	22	2 Yes, findings	
	163	8 Blank but applicable	
	1195	Blank	
204 PER9A		Palms: redness/inflammation, vesicles (5-59 years)	
	1228	1 No redness/inflammation or vesicles	
	9	2 Redness/inflammation	
	1	4 Both inflammation and vesicles	
	163	8 Blank but applicable	
	1195	Blank	
205 PER9B		Palmar fingers: redness/inflammation, vesicles (5-59 years)	
	1228	1 No redness/inflammation or vesicles	
	9	2 Redness/inflammation	
	1	4 Both inflammation and vesicles	
	163	8 Blank but applicable	
	1195	Blank	
206 PER9C		Dorsal: redness/inflammation, vesicles (5-59 years)	
	1234	1 No redness/inflammation or vesicles	
	4	2 Redness/inflammation	
	163	8 Blank but applicable	
	1195	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

DERMATITIS

Positions SAS name	Counts	Item description and code	Notes
207 PER9D		Dorsal fingers: redness/inflammation, vesicles (5-59 years)	
	1230	1 No redness/inflammation or vesicles	
	7	2 Redness/inflammation	
	1	3 Vesicles	
	163	8 Blank but applicable	
	1195	Blank	
208 PER9E		Lichenified dermatitis on wrists, elbows, or knees (5-59 years)	
	1229	1 No lichenified dermatitis	
	8	2 Yes, findings	
	164	8 Blank but applicable	
	1195	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

LOWER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
209 PER10		Overall findings for great toe joint section (metatarsophalangeal (MTP), IP): tender, swelling, pain (60 years and over)	
	377	1 No findings	
	28	2 Yes, findings	
	48	8 Blank but applicable	
	2143	Blank	
210 PER10MTR		Right great toe, MTP joint: tender on palpation (60 years and over)	
	389	1 No tenderness	
	15	2 Tenderness	
	49	8 Blank but applicable	
	2143	Blank	
211 PER10MTL		Left great toe, MTP joint: tender on palpation (60 years and over)	
	386	1 No tenderness	
	18	2 Tenderness	
	49	8 Blank but applicable	
	2143	Blank	
212 PER10MSR		Right great toe, MTP joint: swelling (60 years and over)	
	400	1 No swelling	
	4	2 Swelling	
	49	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

LOWER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
213 PER10MSL		Left great toe, MTP joint: swelling (60 years and over)	
	403	1 No swelling	
	1	2 Swelling	
	49	8 Blank but applicable	
	2143	Blank	
214 PER10MPR		Right great toe, MTP joint: pain on passive motion (60 years and over)	
	392	1 No pain	
	12	2 Pain	
	49	8 Blank but applicable	
	2143	Blank	
215 PER10MPL		Left great toe, MTP joint: pain on passive motion (60 years and over)	
	392	1 No pain	
	12	2 Pain	
	49	8 Blank but applicable	
	2143	Blank	
216 PER10ITR		Right great toe, IP joint: tender on palpation (60 years and over)	
	397	1 No tenderness	
	7	2 Tenderness	
	49	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

LOWER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
217 PER10ITL		Left great toe, IP joint: tender on palpation (60 years and over)	
	396	1 No tenderness	
	8	2 Tenderness	
	49	8 Blank but applicable	
	2143	Blank	
218 PER10ISR		Right great toe, IP joint: swelling (60 years and over)	
	403	1 No swelling	
	1	2 Swelling	
	49	8 Blank but applicable	
	2143	Blank	
219 PER10ISL		Left great toe, IP joint: swelling (60 years and over)	
	404	1 No swelling	
	49	8 Blank but applicable	
	2143	Blank	
220 PER10IPR		Right great toe, IP joint: pain on passive motion (60 years and over)	
	395	1 No pain	
	9	2 Pain	
	49	8 Blank but applicable	
	2143	Blank	
221 PER10IPL		Left great toe, IP joint: pain on passive motion (60 years and over)	
	396	1 No pain	
	9	2 Pain	
	48	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

LOWER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
222 PER10B		Overall findings for knee joint manifestations section (knee: crepitus, tenderness, swelling, pain) (60 years and over)	
	89	1 No findings	
	316	2 Yes, findings	
	48	8 Blank but applicable	
	2143	Blank	
223 PER10B1		Knee: crepitus (60 years and over)	
	209	1 No crepitus	
	36	2 Right	
	24	3 Left	
	135	4 Both	
	49	8 Blank but applicable	
	2143	Blank	
224 PER10B2		Knee: tender on palpation (60 years and over)	
	365	1 No tenderness	
	18	2 Right	
	9	3 Left	
	12	4 Both	
	49	8 Blank but applicable	
	2143	Blank	
225 PER10B3		Knee: swelling (60 years and over)	
	391	1 No swelling	
	4	2 Right	
	6	3 Left	
	3	4 Both	
	49	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

LOWER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
226 PER10B4		Knee: pain on passive motion (60 years and over)	
	355	1 No pain	
	15	2 Right	
	12	3 Left	
	22	4 Both	
	49	8 Blank but applicable	
	2143	Blank	
227 PER10B5		Right knee: maximum limitation on passive motion (60 years and over)	
	235	0 145 degrees	
	144	1 130-144 degrees	
	14	2 115-129 degrees	
	8	3 75-114 degrees	
	4	4 < 75 degrees	
	48	8 Blank but applicable	
	2143	Blank	
228 PER10B6		Left knee: maximum limitation on passive motion (60 years and over)	
	235	0 145 degrees	
	144	1 130-144 degrees	
	20	2 115-129 degrees	
	5	3 75-114 degrees	
	1	4 < 75 degrees	
	48	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

LOWER EXTREMITIES JOINT EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
229 PER10C		Overall findings for foot deformities section (hammer toes, bunions) (60 years and over)	
	175	1 No findings	
	230	2 Yes, findings	
	48	8 Blank but applicable	
	2143	Blank	
230 PER10C1		Hammer toes (60 years and over)	
	298	1 No hammer toes	
	11	2 Right	
	17	3 Left	
	79	4 Both	
	48	8 Blank but applicable	
	2143	Blank	
231 PER10C2		Bunions (60 years and over)	
	211	1 No bunions	
	26	2 Right	
	26	3 Left	
	142	4 Both	
	48	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

BREAST SIZE AND TANNER STAGING

Positions SAS name	Counts	Item description and code	Notes
232-234 PER11A1		Right breast size (largest diameter, mm) (2 months - 4 years)	
	1	009	
	3	012	
	1	888 Blank but applicable	
	2591	Blank	
235-237 PER11A2		Left breast size (largest diameter, mm) (2 months - 4 years)	
	1	009	
	3	012	
	1	888 Blank but applicable	
	2591	Blank	
238 PER11B1		Pubic hair stage (8-18 years)	See note
	78	1 Stage 1	
	23	2 Stage 2	
	45	3 Stage 3	
	53	4 Stage 4	
	77	5 Stage 5	
	63	8 Blank but applicable	
	2257	Blank	
239 PER11B2		Genitalia stage (8-18 years)	See note
	25	1 Stage 1	
	35	2 Stage 2	
	22	3 Stage 3	
	19	4 Stage 4	
	46	5 Stage 5	
	20	8 Blank but applicable	
	2429	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

BREAST SIZE AND TANNER STAGING

Positions SAS name	Counts	Item description and code	Notes
240 PER11B3		Breast stage, least developed breast (8-18 years)	See note
	22	1 Stage 1	
	15	2 Stage 2	
	22	3 Stage 3	
	20	4 Stage 4	
	51	5 Stage 5	
	42	8 Blank but applicable	
	2424	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 PHYSICIAN'S EXAMINATION

PHYSICIAN'S IMPRESSION

Positions SAS name	Counts	Item description and code	Notes
241		Health status (all ages)	
PER13A	759	1 Excellent	
	399	2 Very good	
	365	3 Good	
	117	4 Fair	
	13	5 Poor	
	206	8 Blank but applicable	
	737	Blank	
242		Evidence of disabling cognitive	
PER13B		impairment preventing subject from	
		complying with examination (all ages)	
	1649	1 No impairment	
	5	2 Impairment	
	205	8 Blank but applicable	
	737	Blank	
243		Possible active infection (all ages)	
PER13C	1587	1 No infection	
	68	2 Possible infection	
	204	8 Blank but applicable	
	737	Blank	
244		Able to communicate appropriately for	
PER13D		age (3 years and over)	
	1643	1 Yes	
	11	2 No	
	204	8 Blank but applicable	
	738	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 PHYSICIAN'S EXAMINATION

 PHYSICIAN'S IMPRESSION

Positions SAS name	Counts	Item description and code	Notes
245 PER13E1A		Estimated level of difficulty: walking 1/4 mile (5 years and over)	
	1462	1 No difficulty (PER13E2A)	
	113	2 Some difficulty	
	58	3 Moderate difficulty	
	17	4 Could not be done	
	204	8 Blank but applicable	
	742	Blank	
246 PER13E1B		Prognosis over 1 year: walking 1/4 mile (5 years and over)	
	7	1 Full recovery	
	23	2 Partial recovery	
	149	3 No change	
	9	4 More deterioration	
	204	8 Blank but applicable	
	2204	Blank	
247 PER13E2A		Estimated level of difficulty: running 100 yards (5 years and over)	
	993	1 No difficulty(PER13E3A)	
	286	2 Some difficulty	
	187	3 Moderate difficulty	
	183	4 Could not be done	
	205	8 Blank but applicable	
	742	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 PHYSICIAN'S EXAMINATION

PHYSICIAN'S IMPRESSION

Positions SAS name	Counts	Item description and code	Notes
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248 PER13E2B		Prognosis over 1 year: running 100 yards (5 years and over)	
	26	1 Full recovery	
	51	2 Partial recovery	
	565	3 No change	
	13	4 More deterioration	
	206	8 Blank but applicable	
	1735	Blank	

249 PER13E3A		Estimated level of difficulty: stooping, crouching, or kneeling (5 years and over)	
	1281	1 No difficulty (PER13E4A)	
	234	2 Some difficulty	
	107	3 Moderate difficulty	
	27	4 Could not be done	
	205	8 Blank but applicable	
	742	Blank	

250 PER13E3B		Prognosis over 1 year: stooping, crouching, or kneeling (5 years and over)	
	30	1 Full recovery	
	45	2 Partial recovery	
	284	3 No change	
	9	4 More deterioration	
	205	8 Blank but applicable	
	2023	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 PHYSICIAN'S EXAMINATION

PHYSICIAN'S IMPRESSION

Positions SAS name	Counts	Item description and code	Notes
251 PER13E4A		Estimated level of difficulty: small motor movements in hand like opening a jar, opening a door, or picking up a pencil (5 years and over)	
	1509	1 No difficulty (PER13E5A)	
	123	2 Some difficulty	
	16	3 Moderate difficulty	
	1	4 Could not be done	
	205	8 Blank but applicable	
	742	Blank	
252 PER13E4B		Prognosis over 1 year: small motor movements in hand like opening a jar, opening a door, or picking up a pencil (5 years and over)	
	3	1 Full recovery	
	4	2 Partial recovery	
	132	3 No change	
	2	4 More deterioration	
	204	8 Blank but applicable	
	2251	Blank	
253 PER13E5A		Estimated level of difficulty: doing heavy housework, gardening, exercise, or play (5 years and over)	
	1211	1 No difficulty (End)	
	270	2 Some difficulty	
	136	3 Moderate difficulty	
	33	4 Could not be done	
	204	8 Blank but applicable	
	742	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 PHYSICIAN'S EXAMINATION

 PHYSICIAN'S IMPRESSION

Positions SAS name	Counts	Item description and code	Notes
254 PER13E5B		Prognosis over 1 year: doing heavy housework, gardening, exercise, or play (5 years and over)	
	32	1 Full recovery	
	53	2 Partial recovery	
	343	3 No change	
	11	4 More deterioration	
	204	8 Blank but applicable	
	1953	Blank	
255 PER13F1A		Estimated level of difficulty: play (2 months - 4 years)	
	4	1 No difficulty	
	1	8 Blank but applicable	
	2591	Blank	
256 PER13F1B		Prognosis over 1 year: play (2 months - 4 years)	
	1	8 Blank but applicable	
	2595	Blank	
257 PERLEVEL		Referral level assigned to sample person See note	
	4	1 Level 1	
	62	2 Level 2	
	1589	3 Level 3	
	204	8 Blank but applicable	
	737	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

PHYSICIAN'S IMPRESSION

Positions SAS name	Counts	Item description and code	Notes
258-262		Examiner number	
PERTECH	111	03001	
	221	03002	
	6	03003	
	168	03004	
	75	03005	
	26	03006	
	535	03007	
	114	03008	
	107	03009	
	137	03011	
	118	03012	
	241	88888 Blank but applicable	
	737	Blank	

NOTES

PER11B1: Pubic hair stage

A proportion of the "Blank but applicable" data for this variable was due to refusal to participate.

PER11B2: Genitalia stage

A proportion of the "Blank but applicable" data for this variable was due to refusal to participate.

PER11B3: Breast stage, least developed breast

A proportion of the "Blank but applicable" data for this variable was due to refusal to participate.

PER3A2: In a wheelchair or stretcher

Sitting in a wheelchair did not mean necessarily that the individual was confined to a wheelchair. Examinees deemed frail or physically unable to maneuver in the MEC used a wheelchair while being examined. Information about wheelchair use also can be found in the MEC Physical Function Evaluation.

PER3B2TL, PER3B2TR, PER3LLEG, PER3RLEG: Amputee/cast, great toes and legs findings

These variables were recoded to ensure consistency between the first three and last three years of the survey. Therefore, variable labels differ from those on the Physician's Examination form (U.S. DHHS, 1996b). In the original procedure, the physician entered a finding for a cast anywhere on the leg (hip, knee, or ankle) as a "Cast" finding with no specific site noted (coded as 09) in PER3LLEG and PER3RLEG. In later years, the physician specified where on the leg the cast was located. During data editing, the specific cast locations coded separately were incorporated into PER3LLEG and PER3RLEG as codes "10 Cast hip," "11 Cast knee," and "12 Cast ankle." In addition, if a joint was coded as amputated in PER3LLEG or PER3RLEG, the great toe distal to the amputated joint was coded as "3 Amputated above the toe." For example, if the left leg was amputated below the knee and above the ankle joint (code 06), the great toe variables PER3B2TL and PER3B2TR were coded as "3 Amputated above the toe."

PER3B2TR: Amputee/cast, right great toe

See note for PER3B2TL.

PER3BFL1-PER3BFL5, PER3BFR1-PER3BFR5, PER3LARM, PER3RARM: Amputee/cast,

fingers and arms findings

These variables were recoded to ensure consistency between the first three and last three years of the survey. Therefore, variable labels differ from those on the Physician's Examination form (U.S. DHHS, 1996b). In the early procedure, the physician entered a finding for a cast anywhere on the arm (shoulder, elbow, or wrist), as a "Cast" finding with no specific site noted (coded as 09) in PER3LARM and PER3RARM. In later years, the physician specified where on the arm the cast was located. During data editing, the specific cast locations coded separately were incorporated into variables PER3LARM and PER3RARM as codes "10 Cast shoulder," "11 Cast elbow," and "12 Cast wrist." If a joint was coded as amputated in PER3LARM or PER3RARM, the fingers distal to the amputated joint were coded as "4 Amputated above the finger." For example, if the left wrist joint was coded as amputated (code 07), the finger variables (PER3BFL1-PER3BFL5) were coded as "4 Amputated above the finger."

PER3LARM: Left arm amputee/cast findings

See note for PER3BFL1.

PER3LLEG: Left leg amputee/cast findings

See note for PER3B2TL.

PER3RARM: Right arm amputee/cast findings

See note for PER3BFL1.

PER3RLEG: Right leg amputee/cast findings

See note for PER3B2TL.

PER5R: Central pulse rate

This variable is a 60-second pulse rate derived by multiplying the central pulse count at 30 seconds by two.

PER6DR: Radial pulse rate

This variable is a 60-second pulse rate derived by multiplying the radial pulse count at 15 seconds by four.

PER6F: Maximum inflation level (MIL)

The MIL was obtained to determine the highest level to which the blood pressure cuff should be inflated. It represents a level 30 mm Hg higher than the point at which the radial pulse disappeared.

PER6G3, PER6H3, PER6I3: K5 blood pressure measurements

Zero is considered a valid observation for diastolic (K5) measurements when pulse sounds continue to be heard down to 0 mm Hg.

PER6H3: Second K5 blood pressure measurement

See note for PER6G3.

PER6I3: Third K5 blood pressure measurement

See note for PER6G3.

PERLEVEL: Medical referral level

Based on the results of the physician's examination, the examinee was placed in one of the following three medical referral categories (U.S. DHHS, 1996b):

Level I -- Major medical emergencies that warranted immediate attention by a health care provider

Level II -- Major medical findings that warranted attention by a health care provider within two weeks

Level III -- All other findings reported to the examinee

PERMNK1R: Average K1, systolic blood pressure

This variable is the arithmetic mean of six or fewer K1 measurements obtained at the household interview (maximum of three) and the MEC examination (maximum of three). If the examinee did not have blood pressure measurements taken in the examination center, this variable was calculated from measurements taken at the household interview. All blood pressure determinations were recorded to the nearest even number. However, since the variable is an arithmetic mean, it may include odd numbers.

PERMNK5R: Average K5, diastolic blood pressure

This variable is the arithmetic mean of six or fewer K5 measurements obtained at the household interview (maximum of three) and the MEC examination (maximum of three). Even if the examinee did not have blood pressure measurements taken in the examination center, this variable was calculated from measurements taken at the household interview. All blood pressure determinations were recorded to the nearest even number. However, since the variable is an arithmetic mean, it may include odd

numbers. The arithmetic mean was calculated using only (K5) measurements greater than zero. Any K5 measurements of zero were set to missing when calculating the K5 arithmetic mean.

BODY MEASUREMENTS

Body measurements were recorded for all examinees by a trained examiner in the mobile examination center (MEC). The protocol for this component did not detail any medical, safety or other exclusions.

The body measurements examination included measures of weight, standing height, lengths, skinfolds, circumferences, and breadths. In cases when examinees had to leave the MEC early and were unable to participate in the complete body measures component, at a minimum, weight and standing height or recumbent length were measured.

Persons aged under one year or 20 years and over who were examined only in their homes were given a subset of the body measures. These measures were taken by trained technicians who used equipment and procedures comparable to those used in the mobile examination centers. Therefore, the home examination body measures were incorporated into the body measures data set.

To determine which subjects were home examinees, the DMPSTAT variable (3=home-examined) should be used. When analyzing data for combined home-examined and MEC-examined subjects, the combined MEC- plus home-examined sample weights should be used (WTPFH6). When using only MEC items or measures, the MEC examination sample weight should be used (WTPFEX6). For more information on the use of sample weights in the NHANES III data analysis, refer to the Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

The following are the names shown on the Home Examination form in the Plan and Operation of the Third National Health and Nutrition Examination Survey, 1988-1994 (original home exam variable name; new name) for home examination body measures (NCHS, 1994, p. 313; U.S. DHHS, 1996b). In the home exam, the only body measures taken were weight (A1; BMRWT), standing height (A2; BMRHT), arm circumference (A6; BMRARMC), and triceps skinfold (A5; BMRTRI). For infants aged less than one year, recumbent length (A3; BMRRECUM) was measured instead of stature, and head circumference (A4; BMRHEAD) was added. For examinees who received only a home examination, the measures listed above are the only body measures available for analysis. Values for all other body measures for these examinees appear as blank.

Bioelectrical impedance analysis (BIA) data are considered a part of body measurements and have been included with the body measurement data. However, the BIA resistance and reactance measures were recorded by the physicians in the physician's examination component, hence the "PER" variable prefix.

For general guidelines on standard procedures that were followed for the anthropometric measures, refer to The Anthropometric Standardization Reference Manual (Lohman, 1988). For specific guidelines, the Anthropometric Procedures Video that demonstrates the NHANES III anthropometric procedures in detail is available from the U.S. Government Printing Office (U.S. DHHS, 1996a).

The MEC health technicians, ultrasonographers, dentists, and home examination health technicians were trained by two trainers to do the anthropometric measurements. The two trainers were cross-standardized initially and then annually during the survey. Group retraining occurred twice during the survey. Periodic visits to the field by each of the trainers assured ongoing quality control in the accuracy and reliability of the procedures.

This data set includes body measurements for women who were pregnant at the time of the exam. Analysts should determine whether it is appropriate to exclude data for these women for a given analysis. Pregnancy status information is found in the variable MARF12R in the MEC Adult Questionnaire and in the variable MYRC17 in the MEC Youth Questionnaire.

Data processing and editing were performed to ensure internal data consistency. Notes have been provided for variables requiring additional explanation.

NHANES III Examination Data File

SECOND EXAM DATA

BODY MEASUREMENTS

PHYSICIAN'S IMPRESSION

Positions		Item description	
SAS name	Counts	and code	Notes

263-267		First examiner number	
BMRTECH1	1694	01001-09018	
	164	88888 Blank but applicable	
	738	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

BODY MEASUREMENTS

WEIGHT

Positions SAS name	Counts	Item description and code	Notes
268-273 BMRWT		Weight (kg) (2 months and over)	
	2303	011.75-0214.2	
	293	888888 Blank but applicable	
274 BMRWTFLG	2596	Weight source flag Blank	See note
275-279 BMRWTLBS		Weight (lbs) (2 months and over)	See note
	2303	025.9-471.2	
	293	88888 Blank but applicable	
280-283 BMRSRWL		Self-reported weight (lbs) (12-16 years)	See note
	117	0100-0319	
	42	8888 Blank but applicable	
	2437	Blank	
284-287 BMRBMI		Body mass index	See note
	2295	11.8-78.9	
	301	8888 Blank but applicable	

NHANES III Examination Data File

SECOND EXAM DATA

BODY MEASUREMENTS

HEIGHTS, LENGTHS

Positions SAS name	Counts	Item description and code	Notes
288-292 BMRHT	2389 207	Standing height (cm) (2 years and over) 00087-194.2 88888 Blank but applicable	
293 BMRHTFLG	2596	Standing height source flag Blank	See note
294-298 BMRHTIN	2389 207	Standing height (in) (2 years and over) 034.3-076.5 88888 Blank but applicable	See note
299-302 BMRRECUM	1 2595	Recumbent length (cm) (2 months-3 years) 88.3 Blank	See note
303 BMRRECFL	2596	Recumbent length flag Blank	See note
304-308 BMRSTHT	1690 168 738	Sitting height (cm) (2 years and over) 050.1-103.4 88888 Blank but applicable Blank	See note
309-311 BMRSRHIS	146 13 2437	Self-reported height (in) (12-16 years) 042-074 888 Blank but applicable Blank	See note

NHANES III Examination Data File

SECOND EXAM DATA

BODY MEASUREMENTS

HEIGHTS, LENGTHS

Positions SAS name	Counts	Item description and code	Notes
312-315 BMRLEG		Upper leg length (cm) (2 years and over)	
	1670	19.1-0052	
	188	8888 Blank but applicable	
	738	Blank	
316-319 BMRKNEE		Knee height (cm) (60 years and over)	
	409	33.4-61.9	
	44	8888 Blank but applicable	
	2143	Blank	
320-323 BMRARML		Upper arm length (cm) (2 months and over)	
	1675	17.5-44.8	
	183	8888 Blank but applicable	
	738	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

BODY MEASUREMENTS

BREADTHS

Positions SAS name	Counts	Item description and code	Notes
324-327 BMRBIAC		Biacromial breadth (cm) (3 years and over)	
	1672	21.6-51.3	
	185	8888 Blank but applicable	
	739	Blank	
328-332 BMRBIIL		Biiliac breadth (cm) (2 years and over)	
	1672	014.6-044.5	
	186	88888 Blank but applicable	
	738	Blank	
333-336 BMRELB		Elbow breadth (cm) (2 years and over)	
	1678	0004-09.5	
	180	8888 Blank but applicable	
	738	Blank	
337-340 BMRWRIST		Wrist breadth (cm) (2 years and over)	
	1677	03.3-07.2	
	181	8888 Blank but applicable	
	738	Blank	

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SECOND EXAM DATA

BODY MEASUREMENTS

CIRCUMFERENCES

Positions SAS name	Counts	Item description and code	Notes
341-344 BMRHEAD		Head circumference (cm) (2 months-7 years)	
	70	0032-54.1	
	4	8888 Blank but applicable	
	2522	Blank	
345-348 BMRARMC		Arm circumference (cm) (2 months and over)	
	2407	15.2-52.5	
	189	8888 Blank but applicable	
349-353 BMRWAIST		Waist circumference (cm) (2 years and over)	
	1672	00044-152.9	
	186	88888 Blank but applicable	
	738	Blank	
354-355 *BMRWAICD		Waist circumference comment	
	1	01 Refused	
	1	02 Crying/fighting/upset/uncooperative	
	184	88 Blank but applicable	
	2410	Blank	
356-360 BMRBUTTO		Buttocks circumference (cm) (2 years and over)	
	1675	050.3-158.4	
	183	88888 Blank but applicable	
	738	Blank	
361-364 BMRWHR		Waist-to-hip ratio	See note
	1671	0.68-1.24	
	187	8888 Blank but applicable	
	738	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

BODY MEASUREMENTS

CIRCUMFERENCES

Positions		Item description	
SAS name	Counts	and code	Notes
365-369		Thigh circumference (cm)	
BMRTHICI		(2 years and over)	
	1667	025.5-086.3	
	191	88888 Blank but applicable	
	738	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

BODY MEASUREMENTS

SKINFOLDS

Positions SAS name	Counts	Item description and code	Notes
370-373 BMRTRI		Triceps skinfold (mm) (2 months and over)	See note
	2344	03.6-0050	
	44	5555 Skinfold too large for caliper	
	208	8888 Blank but applicable	
374-377 BMRSUB		Subscapular skinfold (mm) (2 months and over)	See note
	1586	03.7-45.5	
	51	5555 Skinfold too large for caliper	
	221	8888 Blank but applicable	
	738	Blank	
378-381 BMRSUP		Suprailiac skinfold (mm) (2 years and over)	See note
	1612	0003-45.6	
	58	5555 Skinfold too large for caliper	
	188	8888 Blank but applicable	
	738	Blank	
382-385 BMRTHI		Thigh skinfold (mm) (2 years and over)	See note
	1483	03.6-46.4	
	166	5555 Skinfold too large for caliper	
	209	8888 Blank but applicable	
	738	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICIAN'S EXAMINATION

SKINFOLDS

Positions SAS name	Counts	Item description and code	Notes
386 PERPREG	15	Examinee pregnant--cannot obtain BIA 1 Yes	See note
	1413	2 No	
	223	8 Blank but applicable	
	2	9 Don't know	
	943	Blank	
387 PERPACE	4	Examinee had pacemaker--cannot obtain BIA 1 Yes	See note
	1424	2 No	
	225	8 Blank but applicable	
	943	Blank	
388-391 PER12A1	1409	BIA resistance (ohms) (12 years and over) 0275-0937	See note
	225	8888 Blank but applicable	
	962	Blank	
392-395 PER12B1	1409	BIA reactance (ohms) (12 years and over) 0029-0151	See note
	225	8888 Blank but applicable	
	962	Blank	

NOTES

BMRBMI: Body mass index

BMRBMI was computed from weight and standing height using the following formula: $BMRBMI = BMRWT / ((BMRHT / 100) ** 2)$.

BMPHTFLG, BMPRECFL, BMPWTFLG: Standing height, recumbent length, and weight source flags

Weight, standing height, and recumbent length are fundamental body measures essential to most analyses of other health examination data. Therefore, during data editing, a special procedure was established and followed only for those three variables when the primary measures were missing. This procedure allowed available alternate source data to be substituted for missing primary source data. These substitutions were not made for the Second Exam Sample.

BMRHTIN: Standing height (in)

BMRHTIN is standing height converted to inches from centimeters and was calculated as $BMRHTIN = BMRHT / 2.54$.

BMRSRHIS and BMRSRWL: Self-reported height (in) and weight (lbs)

BMRSRHIS is a derived variable that converts reported height in feet and inches to total inches. It is equal to the reported height in feet multiplied by 12 plus the reported height in inches.

All NHANES III participants were asked to report their current height in feet and inches and their weight in pounds. Reported height (BMRSRHIS) and weight (BMRSRWL) information was obtained from adolescents (aged 12 through 16 years) during the body measures component just prior to the actual measurement of weight (BMRWT) and height (BMRHT). For examinees of all other ages, data for similar reported values can be found in the Household Adult Questionnaire among persons aged over 17 years for height (HAM5S) and weight (HAM6S) and in the Household Youth Questionnaire among persons aged less than 12 years for height (HYB18S) and weight (HYB19S). Note that in the data editing process some unusual values for reported height were observed. For persons aged 12 through 16 years, values less than 3 feet were deleted and recoded as "Blank but applicable" (8888).

BMRSRWL: Self-reported weight (lbs)

See note for BMRSRHIS.

BMRSUB, BMRSUP, BMRTHI, BMRTRI: Skinfolds

For NHANES III, the body measurements protocol specified that skinfolds would be measured at four different anatomic body sites. Independent measures were taken at each body site by two technicians, resulting in a minimum of two skinfold observations for each site.

If the difference between the two measurements at a given site was within a pre-specified tolerance limit, no further measurements were taken at that site. The tolerance limits increased by 2 mm for every 10 mm measured. For the first two measures, the first measure represents the base. Thus, from 0-10 mm, observations were acceptable if they differed from the base measurement by 2 mm or less; from 10-20 mm, observations were acceptable if they differed from the base measurement by 4 mm or less; from 20-30 mm, observations were acceptable if they differed from the base measurement by 6 mm or less, and so on. If the difference between the two measurements at a given site did exceed the tolerance limit, each technician repeated and recorded a second measurement, resulting in a total of four measurements at that skinfold site.

The summary skinfold values were computed as follows:

If data were available for the third and fourth measurements and the difference between those measurements was within the specified tolerance limit, then the summary value was the mean of the third and fourth measurements. In all other cases, the summary value was the mean of all available skinfold measurements at that site.

Tolerance: Tolerance was defined using the base skinfold measure. For the third and fourth measures, the third measure represents the base.

If base > 0 and base <= 10 then tolerance is 2 mm
If base > 10 and base <= 20 then tolerance is 4 mm
If base > 20 and base <= 30 then tolerance is 6 mm
If base > 30 and base <= 40 then tolerance is 8 mm
If base > 40 then tolerance is 10 mm.

This approach resulted in a single skinfold value for each of four anatomic locations in the final analytic data. These four locations were reported as triceps (BMRTRI), subscapular (BMRSUB), suprailiac (BMRSUP), and thigh (BMRTHI) skinfolds.

BMRSUP: Suprailiac skinfold (mm)

See note for BMRSUB.

BMRTHI: Thigh skinfold (mm)

See note for BMRSUB.

BMRTRI: Triceps skinfold (mm)

See note for BMRSUB.

BMRWHR: Waist-to-hip ratio

BMRWHR was calculated as $BMRWAIST/BMRBUTTO$.

BMRWTLBS: Weight (lbs)

BMRWTLBS is weight converted to pounds from kilograms and was calculated as $BMRWTLBS=BMRWT \times 2.2$.

PER12A1 and PER12B1: BIA resistance and reactance (ohms)

Data for bioelectrical impedance analysis (BIA) are considered a part of body measurements and have been included here with the body measurement data. However, the BIA resistance and reactance measures were recorded by the physicians in the Physician's Examination component, hence the "PER" variable prefix. Analyses that may require the examiner identification for BIA data should use the physician examiner number (PERTECH).

BIA measurements are known to be affected by a variety of factors, including amputations, metal replacements, and pregnancy. Persons who were left-side amputees or had metal pins in their hips with hip replacements were not excluded from receiving the BIA procedure. However, in the data editing process, BIA resistance (PER12A1) and BIA reactance (PER12B1) data for persons with either right- or left-side amputations, who were pregnant, or who had metal pins in their hips were recoded to 8888.

The "Blank but applicable" counts for PER12A1 and PER12B1 reflect cases in which persons were examined by the physician but in which the BIA procedure was not done for various reasons. The balance is accounted for by persons who were not examined by the physician.

PER12B1: BIA reactance (ohms)

See note for PER12A1.

PERPACE and PERPREG: Pacemaker or pregnancy -- cannot obtain BIA

To determine who should be excluded from receiving the BIA procedure as a safety precaution, examinees were asked if they had a pacemaker or were pregnant. PERPREG was a self-reported variable and not an adjudicated assessment of pregnancy status; therefore, it should not be used as the definitive pregnancy variable (analysts are referred to MARF12R and MYRC17 variables

for pregnancy status).

MEC PROXY QUESTIONNAIRE

The MEC Proxy Questionnaire was administered in the mobile examination center (MEC) to the parents or guardians of children aged 2 months-11 years. This was the only questionnaire in the MEC for children 2 months to 7 years; children 8-11 years were administered the MEC Youth Questionnaire, as well. Topics of the Proxy Questionnaire were medicine, and vitamin and mineral usage, selected health conditions, WIC program participation, and the infant food frequency for children. The Home Examination also included the food frequency for infants (2-11 months). For analysis of items from the MEC Proxy Questionnaire, MEC examination weights (WTPFEX6) should be used, while MEC+home examination weights (WTPFH6) should be used for the analysis of combined MEC and Home Examination questionnaire items. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

Analysts should be aware of missing data for this questionnaire. Due to a training miscommunication, interviewers did not administer this questionnaire to children 8-11 years of age at several survey locations during Phase 1. Therefore, it is possible that missing data for children in this group may introduce bias in analyzing the questions in Section A (MPRQA2, MPRQA3, and MPRQA4) and Section B (MPRB1, MPRB2, and MPRB4). Data processing and editing were performed to ensure consistency of responses within the sections of the questionnaire. A note has been provided for a variable that was standardized. The note references a question, by section and number, from the questionnaire which can be found in Plan and Operation of the National Health and Nutrition Examination Survey, 1988-1994 (NCHS, 1994; U.S. DHHS, 1996b).

NHANES III Examination Data File

SECOND EXAM DATA

MEC PROXY QUESTIONNAIRE

SECTION A. MEDICINE, VITAMIN, AND MINERAL USAGE

Positions SAS name	Counts	Item description and code	Notes
	396	A1. CHECK ITEM. REFER TO AGE OF SP.	
MPRA1	10	2 1-5 years (MPRA3)	
	195	3 6+ years (MPRA2)	
	2391	Blank	
		I would like to begin by asking you a few questions about your child's recent use of medicines, vitamins, and minerals.	
	397	Has - taken or used any antihistamine medicines in the past 2 days? (Antihistamines are medicines taken for symptoms like sneezing, and a runny or itchy nose.)	
MPRA2	4	1 Yes	
	164	2 No	
	27	8 Blank but applicable	
	2401	Blank	
	398	Prescription medicines are medicines that cannot be obtained without a doctor's or dentist's prescription. Has - taken any prescription medicines during the last 24 hours?	
MPRA3	9	1 Yes	
	167	2 No	
	29	8 Blank but applicable	
	2391	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC PROXY QUESTIONNAIRE

SECTION A. MEDICINE, VITAMIN, AND MINERAL USAGE

Positions		Item description	
SAS name	Counts	and code	Notes
	399	Has - taken any vitamins or minerals during the past 24 hours?	
MPRA4	13	1 Yes	
	163	2 No	
	29	8 Blank but applicable	
	2391	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC PROXY QUESTIONNAIRE

SECTION B. SELECTED CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
		Now I would like to ask a few questions about -'s health.	
400 MPRB1		Is - now or in the past 3 months has - been on treatment for anemia, sometimes called "tired blood" or "low blood"? (Include diet, iron pills, iron shots, and transfusion as treatment.)	
	176	2	No
	29	8	Blank but applicable
	2391		Blank
401-402 MPRB2		How many infections such as colds, flu, diarrhea, vomiting, pneumonia, and ear infections has - had in the past four weeks?	
	131	00	None
	45	01-02	
	29	88	Blank but applicable
	2391		Blank
403 MPRB3		CHECK ITEM. REFER TO AGE AND SEX OF SP.	
	29	1	Female 8-9 years (MPRB4)
	10	2	Less than 6 years old (MPRB5)
	166	3	Other (MPRD1)
	2391		Blank

NHANES III Examination Data File

SECOND EXAM DATA

MEC PROXY QUESTIONNAIRE

SECTION B. SELECTED CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
404-405 MPRB4		How old was - when her periods or menstrual cycles started, or haven't they started yet?	
	21	00 Haven't started yet (MPRD1)	
	7	88 Blank but applicable (MPRD1)	
	1	99 Don't know	
	2567	Blank	
		Next are a few questions about the WIC program.	
406 MPRB5		Did - receive benefits from WIC, that is, the Women, Infants, and Children Program, in the past 12 months?	
	8	2 No (MPPC1)	
	2	8 Blank but applicable	
	2586	Blank	
407 MPRB6		Is - now receiving benefits from the WIC program?	
	2596	Blank	
408 MPRB7S		How long (did - receive/has - been receiving) benefits from the WIC program? (months)	See note
	2596	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC PROXY QUESTIONNAIRE

SECTION C. INFANT FOOD FREQUENCY

Positions SAS name	Counts	Item description and code	Notes
409 MPRC1	10 2586	CHECK ITEM. REFER TO AGE OF SP. 1 1 year or older (MRPD1) Blank	
		In this section, I would like to ask whether or not - has eaten certain foods or drunk certain beverages during the past month. In the past month, did - eat or drink any of these foods or beverages? Include baby food as well as strained and regular table foods.	
410 MPRC2A	2596	Cereal Blank	
411 MPRC2B	2596	Fruit Blank	
412 MPRC2C	2596	Yellow and orange vegetables Blank	
413 MPRC2D	2596	Green vegetables Blank	
414 MPRC2E	2596	Meat Blank	
415 MPRC2F	2596	Egg yolk or eggs Blank	
416 MPRC2G	2596	Combination meat/vegetable dinners Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC PROXY QUESTIONNAIRE

SECTION C. INFANT FOOD FREQUENCY

Positions SAS name	Counts	Item description and code	Notes
417 MPRC2H	2596	Yogurt, cottage cheese and other cheeses Blank	
418 MPRC2I	2596	Bread, rolls, crackers, and biscuits Blank	
419 MPRC2J	2596	Desserts Blank	
420 MPRC2K	2596	Breastmilk Blank	
421 MPRC2L	2596	Formula Blank	
422 MPRC2M	2596	Cow's milk (regular milk) Blank	
423 MPRC2N	2596	Fruit juices such as apple juice and orange juice Blank	
424 MPRC2O	2596	Drinks such as Koolaid, fruit punch and HI-C Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC PROXY QUESTIONNAIRE

SECTION D. RESPONDENT

Positions SAS name	Counts	Item description and code	Notes
425-426 MPRD1A		CHECK ITEM. MARK ONE BOX. INDICATE MAIN RESPONDENT'S RELATIONSHIP TO SP.	
	143	01 Mother/adoptive mother	
	16	02 Father/adoptive father	
	3	03 Sister or brother	
	8	04 Grandparent/great grndprnt	
	1	06 Close family friend/sitter	
	1	07 Foster parent	
	4	09 Aunt/uncle	
	29	88 Blank but applicable	
	2391	Blank	
427-430 MPREXMNR		Examiner number	
	16	4001	
	8	4002	
	14	4003	
	24	4004	
	73	4005	
	52	4006	
	5	7002	
	2404	Blank	

NOTE

MPRB7S: Number of months received WIC

This variable was created from the two-part question (quantity and unit) B7 using the conversion factor 12 months/year.

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DENTAL EXAMINATION

The oral health examination consisted of a visual and tactile oral and dental examination performed on examinees aged 1 year and over by a licensed dentist specially trained in the use of specific epidemiologic indices for oral health.

Because this examination was administered in the mobile examination center (MEC), the MEC examination weight (WTPFEX6) should be used for data analysis. For more information on the use of sample weights in analysis of NHANES III data, refer to Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

The oral and dental examination consisted of a number of separate components applied to different age ranges.

Component	Ages
Oral mucosal tissue exam	2 years and over
Dental caries exam	
Nursing bottle caries	12-23 months
Coronal caries	2 years and over
Root caries	18 years and over
Presence of third molars	18 years and over
Restorations and tooth conditions	18-74 years
Traumatic injuries	6-50 years
Occlusal characteristics	8-50 years
Periodontal diseases	13 years and over
Prosthesis assessment	18-74 years
If full dentures	18 years and over
Denture questionnaire	18-74 years
If completely edentulous	18 years and over

Before NHANES III, most of the measurements had been extensively field-tested and, in some cases, modified to improve examiner consistency and reproducibility and reduce examination time. Others were new for this survey but were pilot tested a number of times before being adapted and modified as necessary (Epidemiology and Oral Disease Prevention Program, National Institute of Dental Research, 1991). IT SHOULD BE NOTED THAT THE DIAGNOSTIC CRITERIA USED ARE INTENTIONALLY CONSERVATIVE. To maximize examiner consistency the general rule was that when a choice existed between two possible diagnoses, the less severe diagnosis was recorded. Protocols for measuring each component are found in the Oral Examination Component manual (U.S. DHHS, 1996b). However a few specific guidelines on certain elements of the oral health examination are included here for clarification.

Medical Exclusion

Before beginning the examination the dentist asked a series of questions about specific heart problems and conditions that might require antibiotics before a dental examination. If there was a positive response to any of the questions, the examinee was excluded from the periodontal and root caries components. Variable DERMEDXC indicates those examinees who were medically excluded. Periodontal and root caries variables for those excluded examinees are blank.

Soft Tissue Lesions

A broad range of soft tissue conditions was of interest in this survey with a focus on cancer, pre-cancer and conditions predisposing to cancer, and pathologies related to denture wearing and tobacco use. Examiners were trained to recognize, classify, and record in a standard manner the clinical characteristics of each condition of interest as well as other conditions that might present problems in differential diagnosis. Diagnosis and location were recorded for all soft tissue abnormalities observed. Clinical descriptions were done for all candidiasis, erythroplakias, leukoplakias, tumors, ulcers, and unknown lesions. The clinical descriptions included size, surface morphology, color/s consistency, pain, duration, and prior history. Smears were taken on candidiasis, erythroplakias, leukoplakias, denture stomatitis, angular cheilitis, and medium rhomboid glossitis of the tongue. Smear results are in the form of counts of yeast and hyphae grouped on an ordinal scale from none to many.

Additional lesion information was collected on occurrence of ulcers or sores (cold sores, canker sores) on lips and in the mouth in the Household Youth Questionnaire and the Household Adult Questionnaire. Extensive questions about use of tobacco including snuff and chewing tobacco are found in the MEC Youth Questionnaire for examinees ages 8-16 years, and in the Household Adult Questionnaire and MEC Adult Questionnaire for those ages 17 and over. These questionnaires are found in the Household Adult Data File and the Household Youth Data File.

Dental Caries

The examiner used a mirror and #23 explorer for the DMFS/T index (Klein, 1938), which is the sum of the number of decayed, missing or filled permanent tooth surfaces/teeth and is, thus, a summary of cumulative caries experience. If a tooth surface was both carious and filled, only the caries was scored so some history of fillings is not included. For teeth scored as missing, posterior teeth receive a count of five missing surfaces and anterior teeth receive a count of four missing surfaces. The occlusal surface is not counted for anterior teeth. A place-holder variable for these surfaces maintains the five-surface pattern (occlusal, lingual, buccal, mesial, distal) to facilitate systematic surface selection by analysts. Third molars are only indicated as present or absent. The index uses letters for the examiners calls which have been recoded as numbers from 00 to 13. Sealed surfaces have been recoded separately. For children 12 to 23 months of age a brief visual inspection for the presence or absence of

early childhood caries in the maxillary incisors was conducted. From the DMFS/T index, sums or counts per person of decayed, missing or filled permanent or primary surfaces and teeth were made (DERDMFS1, DERDMFS2, DERDFSP, DERDFSDC, DERDFTDC, DERDMFT1, DERDMFT2). Only persons with at least one permanent tooth space code indicated were eligible for permanent DMFS/T counts. Only children with at least one primary tooth space code indicated were eligible for the dfs/t sums.

Root Caries

The area below the cemento-enamel junction, if visible, was also examined for decay and filling on the roots of permanent teeth in adults 18 years and over. Each individual surface, four per tooth, was examined and coded separately.

Periodontal Measures

For adolescents and adults ages 13 years and over the periodontal measures were done on randomly assigned half-mouths, one upper quadrant and one lower quadrant selected at the beginning of the examination. The buccal and mesial-buccal aspects of each tooth were scored separately for each periodontal measure: gingival bleeding, calculus, gingival recession, and pocket depth. Loss of attachment was derived from two measurements made at each site: (1) the distance from the free gingival margin (FGM) to the cemento-enamel junction (CEJ), and (2) the distance from the FGM to the bottom of the sulcus (pocket depth). When the gingival margin had receded and the CEJ was exposed, the first number was scored as a negative value and was an indication of gingival recession. The loss (level) of attachment variables were calculated by subtracting the recorded distance of the FGM to CEJ (1) from the recorded distance of the FGM to the base of the sulcus (2).

Restorations and Tooth Conditions

To obtain further information on the impact of dental caries and tooth restoration beyond the DMF index, a measure of selected restoration and tooth conditions was applied to the 28 permanent teeth or tooth spaces for dentate adults aged 18 to 74 years. Teeth or tooth spaces were classified based on the following criteria: defective intracoronal restorations, crowns, or bridges; gross loss of tooth structure associated with a restoration; pulpal involvement; or retained roots. This index is hierarchical and only the highest score is recorded for each tooth space. Therefore, a total estimate of individual conditions evaluated cannot be obtained.

Trauma

To obtain an estimate of the prevalence of tooth or dental trauma an index was developed to track the permanent tooth from sound (no evidence of trauma) through "missing due to trauma." The index is based on clinical, non-radiographic evidence of tooth injury and treatment received by the eight, permanent incisors, including a

positive history of injury obtained from the examinee. Problems or biases associated with recall memory, particularly in adults, makes this a very conservative estimate of tooth trauma. The trauma assessment index was applied immediately following the caries examination for dentate participants ages 6 to 50 years with at least one permanent incisor.

Occlusal Characteristics

Occlusal traits were measured on all examinees 8 to 50 years old. Disaggregated measures of the major characteristics of occlusion included were: anterior alignment or irregularity score for maxillary and mandibular incisors, midline diastema, posterior crossbite; overjet, and overbite/openbite. For all individual measurements, an assessment that could not be made (due to missing teeth) was recorded as excluded and 9-filled. Assessment of overbite was made using the right central incisors. If one or both of the right central incisors (upper or lower) were not fully erupted or were missing or fractured, the left permanent central incisors were substituted. If the latter could not be scored, no further substitution was made. Measurements were made to the nearest whole millimeter. For openbite, a single measurement was made of the distance in millimeters from the edge of the lower central incisor to the edge of the upper central incisor. Incisor alignment measured in millimeters the linear displacement of anatomic contact points of each maxillary and mandibular incisor from the adjacent tooth anatomic point. The sum of these five displacements represents the degree of irregularity in the alignment of incisors in each jaw. Contacts were scored only if both teeth had erupted to the level of the occlusal plane. Presence or absence of crossbite was scored only for posterior primary or permanent teeth that had erupted into occlusal contact. A diastema was scored if a space was present between the maxillary central incisors equal to or greater than two millimeters wide. Overjet was measured from the midpoint of the labial surface of the anterior lower incisor to the midpoint of the labial surface of the anterior upper incisor, parallel to the occlusal plane. The overjet was positive if the upper incisor was ahead of the lower incisor, zero if the upper and lower incisors were end to end and negative if the lower incisor was in front of the upper incisor. Questions on receipt of orthodontic treatment are found in the Household Youth Questionnaire for persons ages 2 months to 16 years and the Household Adult Questionnaire for those ages 17-50.

Prosthesis Assessment

For persons 18 to 74 years of age and all persons over 18 with full dentures, a prosthetic evaluation was done. For prosthetic assessment, the arch-specific presence or absence of a removable prosthesis by type (full or partial denture) was recorded. When present the prosthesis was evaluated for five characteristics: integrity; excessive tooth wear; reline material, conditioner, or denture adhesive; stability, and retention. Positive scores were assigned for each characteristic if the prosthesis met the following criteria: 1) integrity--fractures, cracks, or holes of the base material and/or missing or chipped teeth and/or broken clasps, rests, or broken portions of the framework; 2) excessive tooth wear--greater

than one-half of bicuspid and molar teeth lack occlusal anatomy; 3) presence of temporary relined material, tissue conditioner, or denture adhesive; 4) stability--full dentures move 2 mm or more in one direction when the denture is manually moved laterally or partial denture occlusal rests or indirect retainers move 1 mm or more when unilateral or bilateral forces are applied to the denture base and 5) retention--the denture dislodges when the examinee opens the mouth wide without strain. The first three of these were made extraorally; the last two were made with the prosthesis in the mouth. All-resin partial dentures were excluded. Only one partial denture per arch was evaluated. Where two partials were present in a single arch, the partial replacing the most teeth or for equal spans, the one in the right quadrant was selected for evaluation. Tooth or implant-retained overdentures were treated the same as tissue-borne full dentures. Prostheses with a positive score on 3) relined material, conditioner, or denture adhesive, automatically received positive scores for 4) stability and 5) retention. Conversely, fully tooth-supported partial dentures were automatically given scores of "zero" for 2) excessive tooth wear and for 3) relined material, conditioner, or denture adhesive. In addition, during the examination, adults 18 to 74 years of age who were edentulous in one arch and all totally edentulous persons 18 and over were asked four questions about their use of dentures and length of time without natural teeth.

Training and Quality Control

The National Institute of Dental Research (NIDR) and the dental consultant provided extensive training of the dental examiners at their time of hire. One examiner was available for the entire six years and performed about half of the examinations. Three more examiners and one back-up examiner performed the rest of the exams. As part of quality control, a separate "gold standard" examiner visited each dental examiner one or two times a year in the MEC for observation and to perform replicate exams of most indices on approximately 30 persons. Each examiner also performed replicate examinations on selected sample persons within the six week examination period available at each location. For all major components of the examination the intra- and inter-examiner measures were in satisfactory ranges (Brown, 1996a; Brown, 1996b; Brunelle, 1996; Drury, 1996; Kaste, 1996a; Kaste, 1996b; Marcus, 1996; Redford, 1996; Selwitz, 1996; Winn, 1996; White, 1996).

Additional Information

Data processing and editing were performed to ensure internal consistency of data. Notes are provided for variables where additional explanations are necessary. The dental data set differs from other NHANES III data sets in the use of two data processing conventions for variables with categorical responses. They are, however, consistent with dental data from past NHANES and with other dental surveys conducted by NIDR. The first deviation concerns the use of 9-fills which mean "Could not be assessed" or "Unknown." In other NHANES III files, the 9-fill means the respondent did not know the answer. The other deviation pertains to the use of "zero" which, in categorical data, usually means "none," "never," or the equivalent.

In the dental data set, however, a zero is a code for something else, for example, "Tooth present but excluded" in the coronal caries examination (surfaces and teeth), "Sound surface" in the root caries examination, or "No treatment needed" in the restorations and tooth conditions section.

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
431 DEREXFLG	1643	Had some part of dental examination 1 Yes	
	216	2 No	
	737	Blank	
432 DEREXMNR	809	Examiner number 1 Examiner 1	
	59	2 Examiner 2	
	8	3 Examiner 3	
	299	4 Examiner 4	
	452	5 Examiner 5	
	16	6 Examiner 6	
	953	Blank	
433 DERUQUAD	734	Upper quadrant periodontal assessments 1 Upper left	See note
	688	2 Upper right	
	1174	Blank	
434 DERLQUAD	711	Lower quadrant periodontal assessments 3 Lower left	See note
	711	4 Lower right	
	1174	Blank	
435 DERMEDXC	111	Medical exclusion flag 1 Medical exclusion	
	1532	2 Not medically excluded	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
436		Dentate status	
DEREDENT	134	1 Completely edentulous	
	101	2 Edentulous in one arch	
	1408	3 Teeth present	
	216	8 Blank but applicable	
	737	Blank	
437		Completion code: coronal caries	See note
DERCCFLG	1643	1 Complete assessment	
	216	3 No assessment	
	737	Blank	
438		Completion code: root caries	See note
DERRSFLG	975	1 Complete assessment	
	97	2 Partial assessment	
	300	3 No assessment	
	1224	Blank	
439		Completion code: restoration and tooth conditions	See note
DERRCFLG	1013	1 Complete assessment	
	95	2 Partial assessment	
	270	3 No assessment	
	1218	Blank	
440		Completion code: traumatic injuries	See note
DERTRFLG	1068	1 Complete assessment	
	19	2 Partial assessment	
	152	3 No assessment	
	1357	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
441 DERGNFLG	1086	Completion code: gingival bleeding 1 Complete assessment	See note
	89	2 Partial assessment	
	327	3 No assessment	
	1094	Blank	
442 DERCLFLG	1084	Completion code: calculus 1 Complete assessment	See note
	90	2 Partial assessment	
	328	3 No assessment	
	1094	Blank	
443 DERCJFLG	1081	Completion code: CEJ/FGM 1 Complete assessment	See note
	90	2 Partial assessment	
	331	3 No assessment	
	1094	Blank	
444 DERPCFLG	1081	Completion code: pocket assessment 1 Complete assessment	See note
	90	2 Partial assessment	
	331	3 No assessment	
	1094	Blank	
445 DERLAFLG	1081	Completion code: loss of attachment 1 Complete assessment	See note
	90	2 Partial assessment	
	331	3 No assessment	
	1094	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
446 DERDQFLG	199	Completion code: denture questionnaire 1 Assessed	See note
	23	2 Not assessed	
	2374	Blank	
447 DERNURSC	2596	Nursing bottle caries Blank	
448-450 DERDMFS1	1637	Sum of decayed missing, and filled permanent surfaces (DMFS) due to disease 000-128	
	959	Blank	
451-453 DERDMFS2	1637	Sum of decayed missing, and filled permanent surfaces (DMFS) due to any caus 000-128	
	959	Blank	
454-456 DERDFSP	1496	Sum of decayed and filled permanent surfaces (DFS) 000-111	
	1100	Blank	
457-458 DERDFSDC	192	Sum of decayed and filled deciduous or primary surfaces (dfs) 00-30	
	2404	Blank	
459-460 DERDFTDC	192	Sum of decayed and filled deciduous or primary teeth (dft) 00-11	
	2404	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions		Item description	
SAS name	Counts	and code	Notes
461-462		Sum of decayed missing, and filled	
DERDMFT1		permanent teeth due to disease (DMFT)	
	1637	00-28	
	959	Blank	
463-464		Sum of decayed missing, and filled	
DERDMFT2		permanent teeth due to any cause (DMFT)	
	1637	00-28	
	959	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
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CORONAL CARIES, SURFACES

465 DERCS1	2596	Coronal caries, surfaces: upper left central incisor, filler Blank	
466-467 DERCS2		Coronal caries, surfaces: upper left central incisor, lingual surface	
	34	00 Tooth present but excluded	
	31	01 Sound deciduous or primary surface	
	3	02 Decayed deciduous or primary surface	
	5	04 Unerupted tooth	
	1100	05 Sound permanent	
	21	07 Decayed permanent	
	127	08 Filled permanent	
	36	10 Missing (due to caries/periodontal disease)	
	246	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	35	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
468-469 DERCS3		Coronal caries, surfaces: upper left central incisor, buccal surface	
	34	00 Tooth present but excluded	
	32	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	5	04 Unerupted tooth	
	1136	05 Sound permanent	
	17	07 Decayed permanent	
	95	08 Filled permanent	
	36	10 Missing (due to caries/periodontal disease)	
	246	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	35	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
470-471 DERCS4		Coronal caries, surfaces: upper left central incisor, mesial surface	
	34	00 Tooth present but excluded	
	30	01 Sound deciduous or primary surface	
	4	02 Decayed deciduous or primary surface	
	5	04 Unerupted tooth	
	1073	05 Sound permanent	
	33	07 Decayed permanent	
	142	08 Filled permanent	
	36	10 Missing (due to caries/periodontal disease)	
	246	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	35	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
472-473 DERCS5		Coronal caries, surfaces: upper left central incisor, distal surface	
	34	00 Tooth present but excluded	
	34	01 Sound deciduous or primary surface	
	5	04 Unerupted tooth	
	1085	05 Sound permanent	
	25	07 Decayed permanent	
	138	08 Filled permanent	
	36	10 Missing (due to caries/periodontal disease)	
	246	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	35	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
474 DERCS6		Coronal caries, surfaces: upper left lateral incisor, filler	
	2596	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
475-476 DERCS7		Coronal caries, surfaces: upper left lateral incisor, lingual surface	
	19	00 Tooth present but excluded	
	51	01 Sound deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	17	04 Unerupted tooth	
	1040	05 Sound permanent	
	35	07 Decayed permanent	
	162	08 Filled permanent	
	40	10 Missing (due to caries/periodontal disease)	
	247	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
477-478 DERCS8		Coronal caries, surfaces: upper left lateral incisor, buccal surface	
	19	00 Tooth present but excluded	
	51	01 Sound deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	17	04 Unerupted tooth	
	1127	05 Sound permanent	
	32	07 Decayed permanent	
	78	08 Filled permanent	
	40	10 Missing (due to caries/periodontal disease)	
	247	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
479-480 DERCS9		Coronal caries, surfaces: upper left lateral incisor, mesial surface	
	19	00 Tooth present but excluded	
	48	01 Sound deciduous or primary surface	
	3	02 Decayed deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	17	04 Unerupted tooth	
	1054	05 Sound permanent	
	34	07 Decayed permanent	
	149	08 Filled permanent	
	40	10 Missing (due to caries/periodontal disease)	
	247	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
481-482 DERCS10		Coronal caries, surfaces: upper left lateral incisor, distal surface	
	19	00 Tooth present but excluded	
	51	01 Sound deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	17	04 Unerupted tooth	
	1113	05 Sound permanent	
	24	07 Decayed permanent	
	100	08 Filled permanent	
	40	10 Missing (due to caries/periodontal disease)	
	247	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
483 DERCS11		Coronal caries, surfaces: upper left cuspid, filler	
	2596	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
484-485 DERCS12		Coronal caries, surfaces: upper left cuspid, lingual surface	
	11	00 Tooth present but excluded	
	153	01 Sound deciduous or primary surface	
	7	04 Unerupted tooth	
	1051	05 Sound permanent	
	19	07 Decayed permanent	
	123	08 Filled permanent	
	36	10 Missing (due to caries/periodontal disease)	
	228	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	10	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
486-487 DERCS13		Coronal caries, surfaces: upper left cuspid, buccal surface	
	11	00 Tooth present but excluded	
	150	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	7	04 Unerupted tooth	
	1074	05 Sound permanent	
	32	07 Decayed permanent	
	87	08 Filled permanent	
	36	10 Missing (due to caries/periodontal disease)	
	228	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	10	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
488-489 DERCS14		Coronal caries, surfaces: upper left cuspid, mesial surface	
	11	00 Tooth present but excluded	
	153	01 Sound deciduous or primary surface	
	7	04 Unerupted tooth	
	1086	05 Sound permanent	
	23	07 Decayed permanent	
	84	08 Filled permanent	
	36	10 Missing (due to caries/periodontal disease)	
	228	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	10	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
490-491 DERCS15		Coronal caries, surfaces: upper left cuspid, distal surface	
	11	00 Tooth present but excluded	
	152	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	7	04 Unerupted tooth	
	1045	05 Sound permanent	
	24	07 Decayed permanent	
	124	08 Filled permanent	
	36	10 Missing (due to caries/periodontal disease)	
	228	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	10	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
492-493 DERCS16		Coronal caries, surfaces: upper left 1st bicuspid, occlusal surface	
	110	01 Sound deciduous or primary surface	
	7	02 Decayed deciduous or primary surface	
	6	03 Filled deciduous or primary surface	
	3	04 Unerupted tooth	
	787	05 Sound permanent	
	38	07 Decayed permanent	
	282	08 Filled permanent	
	84	10 Missing (due to caries/periodontal disease)	
	288	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
494-495 DERCS17		Coronal caries, surfaces: upper left 1st bicuspid, lingual surface	
	119	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	2	03 Filled deciduous or primary surface	
	3	04 Unerupted tooth	
	1019	05 Sound permanent	
	22	07 Decayed permanent	
	66	08 Filled permanent	
	84	10 Missing (due to caries/periodontal disease)	
	288	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
496-497 DERCS18		Coronal caries, surfaces: upper left 1st bicuspid, buccal surface	
	119	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	3	03 Filled deciduous or primary surface	
	3	04 Unerupted tooth	
	998	05 Sound permanent	
	24	07 Decayed permanent	
	85	08 Filled permanent	
	84	10 Missing (due to caries/periodontal disease)	
	288	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
498-499 DERCS19		Coronal caries, surfaces: upper left 1st bicuspid, mesial surface	
	117	01 Sound deciduous or primary surface	
	4	02 Decayed deciduous or primary surface	
	2	03 Filled deciduous or primary surface	
	3	04 Unerupted tooth	
	961	05 Sound permanent	
	25	07 Decayed permanent	
	121	08 Filled permanent	
	84	10 Missing (due to caries/periodontal disease)	
	288	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
500-501 DERCS20		Coronal caries, surfaces: upper left 1st bicuspid, distal surface	
	110	01 Sound deciduous or primary surface	
	9	02 Decayed deciduous or primary surface	
	4	03 Filled deciduous or primary surface	
	3	04 Unerupted tooth	
	852	05 Sound permanent	
	38	07 Decayed permanent	
	217	08 Filled permanent	
	84	10 Missing (due to caries/periodontal disease)	
	288	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
502-503 DERCS21		Coronal caries, surfaces: upper left 2nd bicuspid, occlusal surface	
	123	01 Sound deciduous or primary surface	
	13	02 Decayed deciduous or primary surface	
	28	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	711	05 Sound permanent	
	28	07 Decayed permanent	
	320	08 Filled permanent	
	116	10 Missing (due to caries/periodontal disease)	
	294	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
504-505 DERCS22		Coronal caries, surfaces: upper left 2nd bicuspid, lingual surface	
	144	01 Sound deciduous or primary surface	
	5	02 Decayed deciduous or primary surface	
	15	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	961	05 Sound permanent	
	18	07 Decayed permanent	
	80	08 Filled permanent	
	116	10 Missing (due to caries/periodontal disease)	
	294	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
506-507 DERCS23		Coronal caries, surfaces: upper left 2nd bicuspid, buccal surface	
	159	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	3	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	960	05 Sound permanent	
	15	07 Decayed permanent	
	84	08 Filled permanent	
	116	10 Missing (due to caries/periodontal disease)	
	294	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
508-509 DERCS24		Coronal caries, surfaces: upper left 2nd bicuspid, mesial surface	
	142	01 Sound deciduous or primary surface	
	9	02 Decayed deciduous or primary surface	
	13	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	834	05 Sound permanent	
	25	07 Decayed permanent	
	200	08 Filled permanent	
	116	10 Missing (due to caries/periodontal disease)	
	294	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
510-511 DERCS25		Coronal caries, surfaces: upper left 2nd bicuspid, distal surface	
	155	01 Sound deciduous or primary surface	
	3	02 Decayed deciduous or primary surface	
	6	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	825	05 Sound permanent	
	22	07 Decayed permanent	
	212	08 Filled permanent	
	116	10 Missing (due to caries/periodontal disease)	
	294	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
512-513 DERCS26		Coronal caries, surfaces: upper left 1st molar, occlusal surface	
	13	04 Unerupted tooth	
	531	05 Sound permanent	
	64	07 Decayed permanent	
	525	08 Filled permanent	
	196	10 Missing (due to caries/periodontal disease)	
	312	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
514-515 DERCS27		Coronal caries, surfaces: upper left 1st molar, lingual surface	
	13	04 Unerupted tooth	
	790	05 Sound permanent	
	32	07 Decayed permanent	
	298	08 Filled permanent	
	196	10 Missing (due to caries/periodontal disease)	
	312	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
516-517 DERCS28		Coronal caries, surfaces: upper left 1st molar, buccal surface	
	13	04 Unerupted tooth	
	999	05 Sound permanent	
	20	07 Decayed permanent	
	101	08 Filled permanent	
	196	10 Missing (due to caries/periodontal disease)	
	312	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
518-519 DERCS29		Coronal caries, surfaces: upper left 1st molar, mesial surface	
	13	04 Unerupted tooth	
	872	05 Sound permanent	
	25	07 Decayed permanent	
	223	08 Filled permanent	
	196	10 Missing (due to caries/periodontal disease)	
	312	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
520-521 DERCS30		Coronal caries, surfaces: upper left 1st molar, distal surface	
	13	04 Unerupted tooth	
	935	05 Sound permanent	
	23	07 Decayed permanent	
	162	08 Filled permanent	
	196	10 Missing (due to caries/periodontal disease)	
	312	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
522-523 DERCS31		Coronal caries, surfaces: upper left 2nd molar, occlusal surface	
	178	04 Unerupted tooth	
	514	05 Sound permanent	
	61	07 Decayed permanent	
	451	08 Filled permanent	
	164	10 Missing (due to caries/periodontal disease)	
	272	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
524-525 DERCS32		Coronal caries, surfaces: upper left 2nd molar, lingual surface	
	178	04 Unerupted tooth	
	843	05 Sound permanent	
	23	07 Decayed permanent	
	160	08 Filled permanent	
	164	10 Missing (due to caries/periodontal disease)	
	272	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
526-527 DERCS33		Coronal caries, surfaces: upper left 2nd molar, buccal surface	
	178	04 Unerupted tooth	
	880	05 Sound permanent	
	23	07 Decayed permanent	
	123	08 Filled permanent	
	164	10 Missing (due to caries/periodontal disease)	
	272	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
528-529 DERCS34		Coronal caries, surfaces: upper left 2nd molar, mesial surface	
	178	04 Unerupted tooth	
	860	05 Sound permanent	
	16	07 Decayed permanent	
	150	08 Filled permanent	
	164	10 Missing (due to caries/periodontal disease)	
	272	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
530-531 DERCS35		Coronal caries, surfaces: upper left 2nd molar, distal surface	
	178	04 Unerupted tooth	
	873	05 Sound permanent	
	25	07 Decayed permanent	
	128	08 Filled permanent	
	164	10 Missing (due to caries/periodontal disease)	
	272	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
532 DERCS36	2596	Coronal caries, surfaces: upper right central incisor, filler Blank	
533-534 DERCS37		Coronal caries, surfaces: upper right central incisor, lingual surface	
	28	00 Tooth present but excluded	
	30	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	1090	05 Sound permanent	
	29	07 Decayed permanent	
	143	08 Filled permanent	
	33	10 Missing (due to caries/periodontal disease)	
	244	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	36	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
535-536 DERCS38		Coronal caries, surfaces: upper right central incisor, buccal surface	
	28	00 Tooth present but excluded	
	31	01 Sound deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	1152	05 Sound permanent	
	24	07 Decayed permanent	
	86	08 Filled permanent	
	33	10 Missing (due to caries/periodontal disease)	
	244	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	36	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
537-538 DERCS39		Coronal caries, surfaces: upper right central incisor, mesial surface	
	28	00 Tooth present but excluded	
	29	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	1072	05 Sound permanent	
	34	07 Decayed permanent	
	156	08 Filled permanent	
	33	10 Missing (due to caries/periodontal disease)	
	244	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	36	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
539-540 DERCS40		Coronal caries, surfaces: upper right central incisor, distal surface	
	28	00 Tooth present but excluded	
	30	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	1096	05 Sound permanent	
	31	07 Decayed permanent	
	135	08 Filled permanent	
	33	10 Missing (due to caries/periodontal disease)	
	244	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	36	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
541 DERCS41		Coronal caries, surfaces: upper right lateral incisor, filler	
	2596	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
542-543 DERCS42		Coronal caries, surfaces: upper right lateral incisor, lingual surface	
	23	00 Tooth present but excluded	
	53	01 Sound deciduous or primary surface	
	20	04 Unerupted tooth	
	1049	05 Sound permanent	
	28	07 Decayed permanent	
	149	08 Filled permanent	
	41	10 Missing (due to caries/periodontal disease)	
	250	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
544-545 DERCS43		Coronal caries, surfaces: upper right lateral incisor, buccal surface	
	23	00 Tooth present but excluded	
	53	01 Sound deciduous or primary surface	
	20	04 Unerupted tooth	
	1124	05 Sound permanent	
	31	07 Decayed permanent	
	71	08 Filled permanent	
	41	10 Missing (due to caries/periodontal disease)	
	250	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
546-547 DERCS44		Coronal caries, surfaces: upper right lateral incisor, mesial surface	
	23	00 Tooth present but excluded	
	52	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	20	04 Unerupted tooth	
	1052	05 Sound permanent	
	40	07 Decayed permanent	
	134	08 Filled permanent	
	41	10 Missing (due to caries/periodontal disease)	
	250	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
548-549 DERCS45		Coronal caries, surfaces: upper right lateral incisor, distal surface	
	23	00 Tooth present but excluded	
	53	01 Sound deciduous or primary surface	
	20	04 Unerupted tooth	
	1081	05 Sound permanent	
	22	07 Decayed permanent	
	123	08 Filled permanent	
	41	10 Missing (due to caries/periodontal disease)	
	250	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
550 DERCS46		Coronal caries, surfaces: upper right cuspid, filler	
	2596	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
551-552 DERCS47		Coronal caries, surfaces: upper right cuspid, lingual surface	
	13	00 Tooth present but excluded	
	154	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	4	04 Unerupted tooth	
	1063	05 Sound permanent	
	18	07 Decayed permanent	
	117	08 Filled permanent	
	35	10 Missing (due to caries/periodontal disease)	
	224	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	9	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
553-554 DERCS48		Coronal caries, surfaces: upper right cuspid, buccal surface	
	13	00 Tooth present but excluded	
	151	01 Sound deciduous or primary surface	
	3	02 Decayed deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	4	04 Unerupted tooth	
	1088	05 Sound permanent	
	27	07 Decayed permanent	
	83	08 Filled permanent	
	35	10 Missing (due to caries/periodontal disease)	
	224	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	9	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
555-556 DERCS49		Coronal caries, surfaces: upper right cuspid, mesial surface	
	13	00 Tooth present but excluded	
	154	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	4	04 Unerupted tooth	
	1087	05 Sound permanent	
	19	07 Decayed permanent	
	92	08 Filled permanent	
	35	10 Missing (due to caries/periodontal disease)	
	224	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	9	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
557-558 DERCS50		Coronal caries, surfaces: upper right cuspid, distal surface	
	13	00 Tooth present but excluded	
	153	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	4	04 Unerupted tooth	
	1059	05 Sound permanent	
	18	07 Decayed permanent	
	121	08 Filled permanent	
	35	10 Missing (due to caries/periodontal disease)	
	224	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	9	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
559-560 DERCS51		Coronal caries, surfaces: upper right 1st bicuspid, occlusal surface	
	1	00 Tooth present but excluded	
	105	01 Sound deciduous or primary surface	
	13	02 Decayed deciduous or primary surface	
	3	03 Filled deciduous or primary surface	
	5	04 Unerupted tooth	
	793	05 Sound permanent	
	33	07 Decayed permanent	
	299	08 Filled permanent	
	78	10 Missing (due to caries/periodontal disease)	
	275	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
561-562 DERCS52		Coronal caries, surfaces: upper right 1st bicuspid, lingual surface	
	1	00 Tooth present but excluded	
	118	01 Sound deciduous or primary surface	
	3	02 Decayed deciduous or primary surface	
	5	04 Unerupted tooth	
	1030	05 Sound permanent	
	20	07 Decayed permanent	
	75	08 Filled permanent	
	78	10 Missing (due to caries/periodontal disease)	
	275	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
563-564 DERCS53		Coronal caries, surfaces: upper right 1st bicuspid, buccal surface	
	1	00 Tooth present but excluded	
	118	01 Sound deciduous or primary surface	
	3	02 Decayed deciduous or primary surface	
	5	04 Unerupted tooth	
	1014	05 Sound permanent	
	25	07 Decayed permanent	
	86	08 Filled permanent	
	78	10 Missing (due to caries/periodontal disease)	
	275	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
565-566 DERCS54		Coronal caries, surfaces: upper right 1st bicuspid, mesial surface	
	1	00 Tooth present but excluded	
	116	01 Sound deciduous or primary surface	
	5	02 Decayed deciduous or primary surface	
	5	04 Unerupted tooth	
	968	05 Sound permanent	
	24	07 Decayed permanent	
	133	08 Filled permanent	
	78	10 Missing (due to caries/periodontal disease)	
	275	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
567-568 DERCS55		Coronal caries, surfaces: upper right 1st bicuspid, distal surface	
	1	00 Tooth present but excluded	
	110	01 Sound deciduous or primary surface	
	9	02 Decayed deciduous or primary surface	
	2	03 Filled deciduous or primary surface	
	5	04 Unerupted tooth	
	870	05 Sound permanent	
	32	07 Decayed permanent	
	223	08 Filled permanent	
	78	10 Missing (due to caries/periodontal disease)	
	275	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
569-570 DERCS56		Coronal caries, surfaces: upper right 2nd bicuspid, occlusal surface	
	129	01 Sound deciduous or primary surface	
	12	02 Decayed deciduous or primary surface	
	24	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	710	05 Sound permanent	
	41	07 Decayed permanent	
	321	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	286	11 Replacement for missing tooth (due to caries/periodontal disease)	
	3	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
571-572 DERCS57		Coronal caries, surfaces: upper right 2nd bicuspid, lingual surface	
	142	01 Sound deciduous or primary surface	
	8	02 Decayed deciduous or primary surface	
	15	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	961	05 Sound permanent	
	23	07 Decayed permanent	
	88	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	286	11 Replacement for missing tooth (due to caries/periodontal disease)	
	3	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
573-574 DERCS58		Coronal caries, surfaces: upper right 2nd bicuspid, buccal surface	
	162	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	2	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	950	05 Sound permanent	
	21	07 Decayed permanent	
	101	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	286	11 Replacement for missing tooth (due to caries/periodontal disease)	
	3	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
575-576 DERCS59		Coronal caries, surfaces: upper right 2nd bicuspid, mesial surface	
	150	01 Sound deciduous or primary surface	
	8	02 Decayed deciduous or primary surface	
	7	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	829	05 Sound permanent	
	25	07 Decayed permanent	
	218	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	286	11 Replacement for missing tooth (due to caries/periodontal disease)	
	3	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
577-578 DERCS60		Coronal caries, surfaces: upper right 2nd bicuspid, distal surface	
	158	01 Sound deciduous or primary surface	
	5	02 Decayed deciduous or primary surface	
	2	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	815	05 Sound permanent	
	32	07 Decayed permanent	
	225	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	286	11 Replacement for missing tooth (due to caries/periodontal disease)	
	3	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
579-580 DERCS61		Coronal caries, surfaces: upper right 1st molar, occlusal surface	
	14	04 Unerupted tooth	
	542	05 Sound permanent	
	73	07 Decayed permanent	
	526	08 Filled permanent	
	188	10 Missing (due to caries/periodontal disease)	
	298	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
581-582 DERCS62		Coronal caries, surfaces: upper right 1st molar, lingual surface	
	14	04 Unerupted tooth	
	817	05 Sound permanent	
	33	07 Decayed permanent	
	291	08 Filled permanent	
	188	10 Missing (due to caries/periodontal disease)	
	298	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
583-584 DERCS63		Coronal caries, surfaces: upper right 1st molar, buccal surface	
	14	04 Unerupted tooth	
	1007	05 Sound permanent	
	23	07 Decayed permanent	
	111	08 Filled permanent	
	188	10 Missing (due to caries/periodontal disease)	
	298	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
585-586 DERCS64		Coronal caries, surfaces: upper right 1st molar, mesial surface	
	14	04 Unerupted tooth	
	880	05 Sound permanent	
	23	07 Decayed permanent	
	238	08 Filled permanent	
	188	10 Missing (due to caries/periodontal disease)	
	298	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
587-588 DERCS65		Coronal caries, surfaces: upper right 1st molar, distal surface	
	14	04 Unerupted tooth	
	950	05 Sound permanent	
	26	07 Decayed permanent	
	165	08 Filled permanent	
	188	10 Missing (due to caries/periodontal disease)	
	298	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
589-590 DERCS66		Coronal caries, surfaces: upper right 2nd molar, occlusal surface	
	183	04 Unerupted tooth	
	527	05 Sound permanent	
	57	07 Decayed permanent	
	445	08 Filled permanent	
	160	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
591-592 DERCS67		Coronal caries, surfaces: upper right 2nd molar, lingual surface	
	183	04 Unerupted tooth	
	839	05 Sound permanent	
	34	07 Decayed permanent	
	156	08 Filled permanent	
	160	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
593-594 DERCS68		Coronal caries, surfaces: upper right 2nd molar, buccal surface	
	183	04 Unerupted tooth	
	891	05 Sound permanent	
	27	07 Decayed permanent	
	111	08 Filled permanent	
	160	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
595-596 DERCS69		Coronal caries, surfaces: upper right 2nd molar, mesial surface	
	183	04 Unerupted tooth	
	865	05 Sound permanent	
	23	07 Decayed permanent	
	141	08 Filled permanent	
	160	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
597-598 DERCS70		Coronal caries, surfaces: upper right 2nd molar, distal surface	
	183	04 Unerupted tooth	
	862	05 Sound permanent	
	29	07 Decayed permanent	
	138	08 Filled permanent	
	160	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
599 DERCS71		Coronal caries, surfaces: lower left central incisor, filler	
	2596	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
600-601 DERCS72		Coronal caries, surfaces: lower left central incisor, lingual surface	
	1	00 Tooth present but excluded	
	11	01 Sound deciduous or primary surface	
	1	04 Unerupted tooth	
	1396	05 Sound permanent	
	7	07 Decayed permanent	
	19	08 Filled permanent	
	31	10 Missing (due to caries/periodontal disease)	
	166	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	7	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
602-603 DERCS73		Coronal caries, surfaces: lower left central incisor, buccal surface	
	1	00 Tooth present but excluded	
	11	01 Sound deciduous or primary surface	
	1	04 Unerupted tooth	
	1398	05 Sound permanent	
	4	07 Decayed permanent	
	20	08 Filled permanent	
	31	10 Missing (due to caries/periodontal disease)	
	166	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	7	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
604-605 DERCS74		Coronal caries, surfaces: lower left central incisor, mesial surface	
	1	00 Tooth present but excluded	
	11	01 Sound deciduous or primary surface	
	1	04 Unerupted tooth	
	1396	05 Sound permanent	
	6	07 Decayed permanent	
	20	08 Filled permanent	
	31	10 Missing (due to caries/periodontal disease)	
	166	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	7	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
606-607 DERCS75		Coronal caries, surfaces: lower left central incisor, distal surface	
	1	00 Tooth present but excluded	
	11	01 Sound deciduous or primary surface	
	1	04 Unerupted tooth	
	1396	05 Sound permanent	
	4	07 Decayed permanent	
	22	08 Filled permanent	
	31	10 Missing (due to caries/periodontal disease)	
	166	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	7	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
608 DERCS76		Coronal caries, surfaces: lower left lateral incisor, filler	
	2596	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
609-610 DERCS77		Coronal caries, surfaces: lower left lateral incisor, lingual surface	
	1	00 Tooth present but excluded	
	38	01 Sound deciduous or primary surface	
	6	04 Unerupted tooth	
	1371	05 Sound permanent	
	8	07 Decayed permanent	
	19	08 Filled permanent	
	30	10 Missing (due to caries/periodontal disease)	
	159	11 Replacement for missing tooth (due to caries/periodontal disease)	
	7	12 Missing (due to orthodontic or non-disease)	
	4	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
611-612 DERCS78		Coronal caries, surfaces: lower left lateral incisor, buccal surface	
	1	00 Tooth present but excluded	
	38	01 Sound deciduous or primary surface	
	6	04 Unerupted tooth	
	1370	05 Sound permanent	
	7	07 Decayed permanent	
	21	08 Filled permanent	
	30	10 Missing (due to caries/periodontal disease)	
	159	11 Replacement for missing tooth (due to caries/periodontal disease)	
	7	12 Missing (due to orthodontic or non-disease)	
	4	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
613-614 DERCS79		Coronal caries, surfaces: lower left lateral incisor, mesial surface	
	1	00 Tooth present but excluded	
	38	01 Sound deciduous or primary surface	
	6	04 Unerupted tooth	
	1368	05 Sound permanent	
	4	07 Decayed permanent	
	26	08 Filled permanent	
	30	10 Missing (due to caries/periodontal disease)	
	159	11 Replacement for missing tooth (due to caries/periodontal disease)	
	7	12 Missing (due to orthodontic or non-disease)	
	4	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
615-616 DERCS80		Coronal caries, surfaces: lower left lateral incisor, distal surface	
	1	00 Tooth present but excluded	
	38	01 Sound deciduous or primary surface	
	6	04 Unerupted tooth	
	1363	05 Sound permanent	
	12	07 Decayed permanent	
	23	08 Filled permanent	
	30	10 Missing (due to caries/periodontal disease)	
	159	11 Replacement for missing tooth (due to caries/periodontal disease)	
	7	12 Missing (due to orthodontic or non-disease)	
	4	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
617 DERCS81		Coronal caries, surfaces: lower left cuspid, filler	
	2596	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
618-619 DERCS82		Coronal caries, surfaces: lower left cuspid, lingual surface	
	1	00 Tooth present but excluded	
	120	01 Sound deciduous or primary surface	
	9	04 Unerupted tooth	
	1302	05 Sound permanent	
	9	07 Decayed permanent	
	39	08 Filled permanent	
	25	10 Missing (due to caries/periodontal disease)	
	135	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
620-621 DERCS83		Coronal caries, surfaces: lower left cuspid, buccal surface	
	1	00 Tooth present but excluded	
	119	01 Sound deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	9	04 Unerupted tooth	
	1285	05 Sound permanent	
	19	07 Decayed permanent	
	46	08 Filled permanent	
	25	10 Missing (due to caries/periodontal disease)	
	135	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
622-623 DERCS84		Coronal caries, surfaces: lower left cuspid, mesial surface	
	1	00 Tooth present but excluded	
	120	01 Sound deciduous or primary surface	
	9	04 Unerupted tooth	
	1307	05 Sound permanent	
	12	07 Decayed permanent	
	31	08 Filled permanent	
	25	10 Missing (due to caries/periodontal disease)	
	135	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
624-625 DERCS85		Coronal caries, surfaces: lower left cuspid, distal surface	
	1	00 Tooth present but excluded	
	119	01 Sound deciduous or primary surface	
	1	03 Filled deciduous or primary surface	
	9	04 Unerupted tooth	
	1298	05 Sound permanent	
	12	07 Decayed permanent	
	40	08 Filled permanent	
	25	10 Missing (due to caries/periodontal disease)	
	135	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
626-627 DERCS86		Coronal caries, surfaces: lower left 1st bicuspid, occlusal surface	
	92	01 Sound deciduous or primary surface	
	8	02 Decayed deciduous or primary surface	
	22	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1045	05 Sound permanent	
	23	07 Decayed permanent	
	198	08 Filled permanent	
	53	10 Missing (due to caries/periodontal disease)	
	167	11 Replacement for missing tooth (due to caries/periodontal disease)	
	29	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
628-629 DERCS87		Coronal caries, surfaces: lower left 1st bicuspid, lingual surface	
	112	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	8	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1208	05 Sound permanent	
	13	07 Decayed permanent	
	45	08 Filled permanent	
	53	10 Missing (due to caries/periodontal disease)	
	167	11 Replacement for missing tooth (due to caries/periodontal disease)	
	29	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
630-631 DERCS88		Coronal caries, surfaces: lower left 1st bicuspid, buccal surface	
	109	01 Sound deciduous or primary surface	
	4	02 Decayed deciduous or primary surface	
	9	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1154	05 Sound permanent	
	26	07 Decayed permanent	
	86	08 Filled permanent	
	53	10 Missing (due to caries/periodontal disease)	
	167	11 Replacement for missing tooth (due to caries/periodontal disease)	
	29	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
632-633 DERCS89		Coronal caries, surfaces: lower left 1st bicuspid, mesial surface	
	112	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	8	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1197	05 Sound permanent	
	14	07 Decayed permanent	
	55	08 Filled permanent	
	53	10 Missing (due to caries/periodontal disease)	
	167	11 Replacement for missing tooth (due to caries/periodontal disease)	
	29	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
634-635 DERCS90		Coronal caries, surfaces: lower left 1st bicuspid, distal surface	
	97	01 Sound deciduous or primary surface	
	7	02 Decayed deciduous or primary surface	
	18	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1135	05 Sound permanent	
	20	07 Decayed permanent	
	111	08 Filled permanent	
	53	10 Missing (due to caries/periodontal disease)	
	167	11 Replacement for missing tooth (due to caries/periodontal disease)	
	29	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
636-637 DERCS91		Coronal caries, surfaces: lower left 2nd bicuspid, occlusal surface	
	117	01 Sound deciduous or primary surface	
	11	02 Decayed deciduous or primary surface	
	28	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	811	05 Sound permanent	
	25	07 Decayed permanent	
	336	08 Filled permanent	
	107	10 Missing (due to caries/periodontal disease)	
	201	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
638-639 DERCS92		Coronal caries, surfaces: lower left 2nd bicuspid, lingual surface	
	145	01 Sound deciduous or primary surface	
	3	02 Decayed deciduous or primary surface	
	8	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1076	05 Sound permanent	
	12	07 Decayed permanent	
	84	08 Filled permanent	
	107	10 Missing (due to caries/periodontal disease)	
	201	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
640-641 DERCS93		Coronal caries, surfaces: lower left 2nd bicuspid, buccal surface	
	139	01 Sound deciduous or primary surface	
	4	02 Decayed deciduous or primary surface	
	13	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1035	05 Sound permanent	
	24	07 Decayed permanent	
	113	08 Filled permanent	
	107	10 Missing (due to caries/periodontal disease)	
	201	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
642-643 DERCS94		Coronal caries, surfaces: lower left 2nd bicuspid, mesial surface	
	129	01 Sound deciduous or primary surface	
	7	02 Decayed deciduous or primary surface	
	20	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1035	05 Sound permanent	
	14	07 Decayed permanent	
	123	08 Filled permanent	
	107	10 Missing (due to caries/periodontal disease)	
	201	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
644-645 DERCS95		Coronal caries, surfaces: lower left 2nd bicuspid, distal surface	
	140	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	14	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	923	05 Sound permanent	
	23	07 Decayed permanent	
	226	08 Filled permanent	
	107	10 Missing (due to caries/periodontal disease)	
	201	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
646-647 DERCS96		Coronal caries, surfaces: lower left 1st molar, occlusal surface	
	12	04 Unerupted tooth	
	484	05 Sound permanent	
	68	07 Decayed permanent	
	487	08 Filled permanent	
	322	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
648-649 DERCS97		Coronal caries, surfaces: lower left 1st molar, lingual surface	
	12	04 Unerupted tooth	
	873	05 Sound permanent	
	27	07 Decayed permanent	
	139	08 Filled permanent	
	322	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
650-651 DERCS98		Coronal caries, surfaces: lower left 1st molar, buccal surface	
	12	04 Unerupted tooth	
	666	05 Sound permanent	
	38	07 Decayed permanent	
	335	08 Filled permanent	
	322	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
652-653 DERCS99		Coronal caries, surfaces: lower left 1st molar, mesial surface	
	12	04 Unerupted tooth	
	817	05 Sound permanent	
	26	07 Decayed permanent	
	196	08 Filled permanent	
	322	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
654-655 DERCS100		Coronal caries, surfaces: lower left 1st molar, distal surface	
	12	04 Unerupted tooth	
	802	05 Sound permanent	
	34	07 Decayed permanent	
	203	08 Filled permanent	
	322	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
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656-657 DERCS101		Coronal caries, surfaces: lower left 2nd molar, occlusal surface	
	169	04 Unerupted tooth	
	439	05 Sound permanent	
	68	07 Decayed permanent	
	470	08 Filled permanent	
	263	10 Missing (due to caries/periodontal disease)	
	233	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

658-659 DERCS102		Coronal caries, surfaces: lower left 2nd molar, lingual surface	
	169	04 Unerupted tooth	
	848	05 Sound permanent	
	21	07 Decayed permanent	
	108	08 Filled permanent	
	263	10 Missing (due to caries/periodontal disease)	
	233	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
660-661 DERCS103		Coronal caries, surfaces: lower left 2nd molar, buccal surface	
	169	04 Unerupted tooth	
	710	05 Sound permanent	
	39	07 Decayed permanent	
	228	08 Filled permanent	
	263	10 Missing (due to caries/periodontal disease)	
	233	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
662-663 DERCS104		Coronal caries, surfaces: lower left 2nd molar, mesial surface	
	169	04 Unerupted tooth	
	774	05 Sound permanent	
	19	07 Decayed permanent	
	184	08 Filled permanent	
	263	10 Missing (due to caries/periodontal disease)	
	233	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
664-665 DERCS105		Coronal caries, surfaces: lower left 2nd molar, distal surface	
	169	04 Unerupted tooth	
	839	05 Sound permanent	
	19	07 Decayed permanent	
	119	08 Filled permanent	
	263	10 Missing (due to caries/periodontal disease)	
	233	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
666 DERCS106		Coronal caries, surfaces: lower right central incisor, filler	
	2596	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
667-668 DERCS107		Coronal caries, surfaces: lower right central incisor, lingual surface	
	5	00 Tooth present but excluded	
	11	01 Sound deciduous or primary surface	
	1393	05 Sound permanent	
	8	07 Decayed permanent	
	17	08 Filled permanent	
	31	10 Missing (due to caries/periodontal disease)	
	164	11 Replacement for missing tooth (due to caries/periodontal disease)	
	9	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
669-670 DERCS108		Coronal caries, surfaces: lower right central incisor, buccal surface	
	5	00 Tooth present but excluded	
	11	01 Sound deciduous or primary surface	
	1395	05 Sound permanent	
	5	07 Decayed permanent	
	18	08 Filled permanent	
	31	10 Missing (due to caries/periodontal disease)	
	164	11 Replacement for missing tooth (due to caries/periodontal disease)	
	9	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
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671-672 DERCS109		Coronal caries, surfaces: lower right central incisor, mesial surface	
	5	00 Tooth present but excluded	
	11	01 Sound deciduous or primary surface	
	1395	05 Sound permanent	
	5	07 Decayed permanent	
	18	08 Filled permanent	
	31	10 Missing (due to caries/periodontal disease)	
	164	11 Replacement for missing tooth (due to caries/periodontal disease)	
	9	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

673-674 DERCS110		Coronal caries, surfaces: lower right central incisor, distal surface	
	5	00 Tooth present but excluded	
	11	01 Sound deciduous or primary surface	
	1385	05 Sound permanent	
	10	07 Decayed permanent	
	23	08 Filled permanent	
	31	10 Missing (due to caries/periodontal disease)	
	164	11 Replacement for missing tooth (due to caries/periodontal disease)	
	9	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
675 DERCS111	2596	Coronal caries, surfaces: lower right lateral incisor, filler Blank	
676-677 DERCS112		Coronal caries, surfaces: lower right lateral incisor, lingual surface	
	2	00 Tooth present but excluded	
	34	01 Sound deciduous or primary surface	
	11	04 Unerupted tooth	
	1377	05 Sound permanent	
	6	07 Decayed permanent	
	18	08 Filled permanent	
	29	10 Missing (due to caries/periodontal disease)	
	157	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
678-679 DERCS113		Coronal caries, surfaces: lower right lateral incisor, buccal surface	
	2	00 Tooth present but excluded	
	34	01 Sound deciduous or primary surface	
	11	04 Unerupted tooth	
	1370	05 Sound permanent	
	13	07 Decayed permanent	
	18	08 Filled permanent	
	29	10 Missing (due to caries/periodontal disease)	
	157	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
680-681 DERCS114		Coronal caries, surfaces: lower right lateral incisor, mesial surface	
	2	00 Tooth present but excluded	
	34	01 Sound deciduous or primary surface	
	11	04 Unerupted tooth	
	1376	05 Sound permanent	
	7	07 Decayed permanent	
	18	08 Filled permanent	
	29	10 Missing (due to caries/periodontal disease)	
	157	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
682-683 DERCS115		Coronal caries, surfaces: lower right lateral incisor, distal surface	
	2	00 Tooth present but excluded	
	34	01 Sound deciduous or primary surface	
	11	04 Unerupted tooth	
	1375	05 Sound permanent	
	6	07 Decayed permanent	
	20	08 Filled permanent	
	29	10 Missing (due to caries/periodontal disease)	
	157	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
684 DERCS116		Coronal caries, surfaces: lower right cuspid, filler	
	2596	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
685-686 DERCS117		Coronal caries, surfaces: lower right cuspid, lingual surface	
	1	00 Tooth present but excluded	
	120	01 Sound deciduous or primary surface	
	6	04 Unerupted tooth	
	1306	05 Sound permanent	
	11	07 Decayed permanent	
	40	08 Filled permanent	
	24	10 Missing (due to caries/periodontal disease)	
	133	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
687-688 DERCS118		Coronal caries, surfaces: lower right cuspid, buccal surface	
	1	00 Tooth present but excluded	
	117	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	2	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1270	05 Sound permanent	
	29	07 Decayed permanent	
	58	08 Filled permanent	
	24	10 Missing (due to caries/periodontal disease)	
	133	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
689-690 DERCS119		Coronal caries, surfaces: lower right cuspid, mesial surface	
	1	00 Tooth present but excluded	
	120	01 Sound deciduous or primary surface	
	6	04 Unerupted tooth	
	1314	05 Sound permanent	
	14	07 Decayed permanent	
	29	08 Filled permanent	
	24	10 Missing (due to caries/periodontal disease)	
	133	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
691-692 DERCS120		Coronal caries, surfaces: lower right cuspid, distal surface	
	1	00 Tooth present but excluded	
	120	01 Sound deciduous or primary surface	
	6	04 Unerupted tooth	
	1299	05 Sound permanent	
	16	07 Decayed permanent	
	42	08 Filled permanent	
	24	10 Missing (due to caries/periodontal disease)	
	133	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
693-694 DERCS121		Coronal caries, surfaces: lower right 1st bicuspid, occlusal surface	
	94	01 Sound deciduous or primary surface	
	11	02 Decayed deciduous or primary surface	
	15	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	1049	05 Sound permanent	
	25	07 Decayed permanent	
	190	08 Filled permanent	
	60	10 Missing (due to caries/periodontal disease)	
	169	11 Replacement for missing tooth (due to caries/periodontal disease)	
	28	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
695-696 DERCS122		Coronal caries, surfaces: lower right 1st bicuspid, lingual surface	
	113	01 Sound deciduous or primary surface	
	3	02 Decayed deciduous or primary surface	
	4	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	1204	05 Sound permanent	
	13	07 Decayed permanent	
	47	08 Filled permanent	
	60	10 Missing (due to caries/periodontal disease)	
	169	11 Replacement for missing tooth (due to caries/periodontal disease)	
	28	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
697-698 DERCS123		Coronal caries, surfaces: lower right 1st bicuspid, buccal surface	
	116	01 Sound deciduous or primary surface	
	2	02 Decayed deciduous or primary surface	
	2	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	1162	05 Sound permanent	
	23	07 Decayed permanent	
	79	08 Filled permanent	
	60	10 Missing (due to caries/periodontal disease)	
	169	11 Replacement for missing tooth (due to caries/periodontal disease)	
	28	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
699-700 DERCS124		Coronal caries, surfaces: lower right 1st bicuspid, mesial surface	
	116	01 Sound deciduous or primary surface	
	1	02 Decayed deciduous or primary surface	
	3	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	1201	05 Sound permanent	
	8	07 Decayed permanent	
	55	08 Filled permanent	
	60	10 Missing (due to caries/periodontal disease)	
	169	11 Replacement for missing tooth (due to caries/periodontal disease)	
	28	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
701-702 DERCS125		Coronal caries, surfaces: lower right 1st bicuspid, distal surface	
	97	01 Sound deciduous or primary surface	
	12	02 Decayed deciduous or primary surface	
	11	03 Filled deciduous or primary surface	
	2	04 Unerupted tooth	
	1106	05 Sound permanent	
	23	07 Decayed permanent	
	135	08 Filled permanent	
	60	10 Missing (due to caries/periodontal disease)	
	169	11 Replacement for missing tooth (due to caries/periodontal disease)	
	28	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
703-704 DERCS126		Coronal caries, surfaces: lower right 2nd bicuspid, occlusal surface	
	110	01 Sound deciduous or primary surface	
	14	02 Decayed deciduous or primary surface	
	31	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	798	05 Sound permanent	
	34	07 Decayed permanent	
	332	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	203	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
705-706 DERCS127		Coronal caries, surfaces: lower right 2nd bicuspid, lingual surface	
	141	01 Sound deciduous or primary surface	
	5	02 Decayed deciduous or primary surface	
	9	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1066	05 Sound permanent	
	23	07 Decayed permanent	
	75	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	203	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
707-708 DERCS128		Coronal caries, surfaces: lower right 2nd bicuspid, buccal surface	
	137	01 Sound deciduous or primary surface	
	6	02 Decayed deciduous or primary surface	
	12	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1036	05 Sound permanent	
	26	07 Decayed permanent	
	102	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	203	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
709-710 DERCS129		Coronal caries, surfaces: lower right 2nd bicuspid, mesial surface	
	142	01 Sound deciduous or primary surface	
	4	02 Decayed deciduous or primary surface	
	9	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	1007	05 Sound permanent	
	20	07 Decayed permanent	
	137	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	203	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
711-712 DERCS130		Coronal caries, surfaces: lower right 2nd bicuspid, distal surface	
	139	01 Sound deciduous or primary surface	
	5	02 Decayed deciduous or primary surface	
	11	03 Filled deciduous or primary surface	
	6	04 Unerupted tooth	
	907	05 Sound permanent	
	25	07 Decayed permanent	
	232	08 Filled permanent	
	113	10 Missing (due to caries/periodontal disease)	
	203	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
713-714 DERCS131		Coronal caries, surfaces: lower right 1st molar, occlusal surface	
	12	04 Unerupted tooth	
	486	05 Sound permanent	
	71	07 Decayed permanent	
	491	08 Filled permanent	
	320	10 Missing (due to caries/periodontal disease)	
	263	11 Replacement for missing tooth (due to caries/periodontal disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
715-716 DERCS132		Coronal caries, surfaces: lower right 1st molar, lingual surface	
	12	04 Unerupted tooth	
	897	05 Sound permanent	
	22	07 Decayed permanent	
	129	08 Filled permanent	
	320	10 Missing (due to caries/periodontal disease)	
	263	11 Replacement for missing tooth (due to caries/periodontal disease)	
	953	Blank	
717-718 DERCS133		Coronal caries, surfaces: lower right 1st molar, buccal surface	
	12	04 Unerupted tooth	
	653	05 Sound permanent	
	42	07 Decayed permanent	
	353	08 Filled permanent	
	320	10 Missing (due to caries/periodontal disease)	
	263	11 Replacement for missing tooth (due to caries/periodontal disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
719-720 DERCS134		Coronal caries, surfaces: lower right 1st molar, mesial surface	
	12	04 Unerupted tooth	
	824	05 Sound permanent	
	23	07 Decayed permanent	
	201	08 Filled permanent	
	320	10 Missing (due to caries/periodontal disease)	
	263	11 Replacement for missing tooth (due to caries/periodontal disease)	
	953	Blank	
721-722 DERCS135		Coronal caries, surfaces: lower right 1st molar, distal surface	
	12	04 Unerupted tooth	
	828	05 Sound permanent	
	28	07 Decayed permanent	
	192	08 Filled permanent	
	320	10 Missing (due to caries/periodontal disease)	
	263	11 Replacement for missing tooth (due to caries/periodontal disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
723-724 DERCS136		Coronal caries, surfaces: lower right 2nd molar, occlusal surface	
	169	04 Unerupted tooth	
	426	05 Sound permanent	
	79	07 Decayed permanent	
	477	08 Filled permanent	
	255	10 Missing (due to caries/periodontal disease)	
	236	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
725-726 DERCS137		Coronal caries, surfaces: lower right 2nd molar, lingual surface	
	169	04 Unerupted tooth	
	858	05 Sound permanent	
	23	07 Decayed permanent	
	101	08 Filled permanent	
	255	10 Missing (due to caries/periodontal disease)	
	236	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
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727-728 DERCS138		Coronal caries, surfaces: lower right 2nd molar, buccal surface	
	169	04 Unerupted tooth	
	701	05 Sound permanent	
	43	07 Decayed permanent	
	238	08 Filled permanent	
	255	10 Missing (due to caries/periodontal disease)	
	236	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

729-730 DERCS139		Coronal caries, surfaces: lower right 2nd molar, mesial surface	
	169	04 Unerupted tooth	
	789	05 Sound permanent	
	21	07 Decayed permanent	
	172	08 Filled permanent	
	255	10 Missing (due to caries/periodontal disease)	
	236	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
731-732 DERCS140		Coronal caries, surfaces: lower right 2nd molar, distal surface	
	169	04 Unerupted tooth	
	839	05 Sound permanent	
	24	07 Decayed permanent	
	119	08 Filled permanent	
	255	10 Missing (due to caries/periodontal disease)	
	236	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
		CORONAL CARIES, TEETH	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
733-734 DERCT1		Coronal tooth calls: upper left central incisor	
	34	00 Tooth present but excluded	
	30	01 Sound deciduous or primary tooth	
	4	02 Decayed deciduous or primary tooth	
	5	04 Unerupted tooth	
	996	05 Sound permanent	
	48	07 Decayed permanent	
	170	08 Filled permanent	
	34	09 Full crown coverage	
	36	10 Missing (due to caries/periodontal disease)	
	246	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	35	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
735-736 DERCT2		Coronal tooth calls: upper left lateral incisor	
	19	00 Tooth present but excluded	
	48	01 Sound deciduous or primary tooth	
	3	02 Decayed deciduous or primary tooth	
	1	03 Filled deciduous or primary tooth	
	17	04 Unerupted tooth	
	969	05 Sound permanent	
	59	07 Decayed permanent	
	178	08 Filled permanent	
	31	09 Full crown coverage	
	40	10 Missing (due to caries/periodontal disease)	
	247	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non- disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
737-738		Coronal tooth calls: upper left cuspid	
DERCT3	11	00 Tooth present but excluded	
	149	01 Sound deciduous or primary tooth	
	3	02 Decayed deciduous or primary tooth	
	1	03 Filled deciduous or primary tooth	
	7	04 Unerupted tooth	
	968	05 Sound permanent	
	52	07 Decayed permanent	
	138	08 Filled permanent	
	35	09 Full crown coverage	
	36	10 Missing (due to caries/periodontal disease)	
	228	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	10	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
739-740 DERCT4		Coronal tooth calls: upper left 1st bicuspid	
	106	01 Sound deciduous or primary tooth	
	11	02 Decayed deciduous or primary tooth	
	6	03 Filled deciduous or primary tooth	
	3	04 Unerupted tooth	
	763	05 Sound permanent	
	52	07 Decayed permanent	
	241	08 Filled permanent	
	51	09 Full crown coverage	
	84	10 Missing (due to caries/periodontal disease)	
	288	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
741-742 DERCT5		Coronal tooth calls: upper left 2nd bicuspid	
	122	01 Sound deciduous or primary tooth	
	16	02 Decayed deciduous or primary tooth	
	26	03 Filled deciduous or primary tooth	
	4	04 Unerupted tooth	
	701	05 Sound permanent	
	36	07 Decayed permanent	
	252	08 Filled permanent	
	70	09 Full crown coverage	
	116	10 Missing (due to caries/periodontal disease)	
	294	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
743-744 DERCT6		Coronal tooth calls: upper left 1st molar	
	13	04 Unerupted tooth	
	517	05 Sound permanent	
	77	07 Decayed permanent	
	468	08 Filled permanent	
	58	09 Full crown coverage	
	196	10 Missing (due to caries/periodontal disease)	
	312	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
745-746 DERCT7		Coronal tooth calls: upper left 2nd molar	
	178	04 Unerupted tooth	
	502	05 Sound permanent	
	71	07 Decayed permanent	
	394	08 Filled permanent	
	59	09 Full crown coverage	
	164	10 Missing (due to caries/periodontal disease)	
	272	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
747 DER3M1		Coronal tooth calls: upper left 3rd molar	
	377	1 Present	
	916	2 Absent	
	1303	Blank	
748-749 DERCT8		Coronal tooth calls: upper right central incisor	
	28	00 Tooth present but excluded	
	28	01 Sound deciduous or primary tooth	
	3	02 Decayed deciduous or primary tooth	
	1	03 Filled deciduous or primary tooth	
	4	04 Unerupted tooth	
	997	05 Sound permanent	
	64	07 Decayed permanent	
	163	08 Filled permanent	
	38	09 Full crown coverage	
	33	10 Missing (due to caries/periodontal disease)	
	244	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	36	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
750-751 DERCT9		Coronal tooth calls: upper right lateral incisor	
	23	00 Tooth present but excluded	
	52	01 Sound deciduous or primary tooth	
	1	02 Decayed deciduous or primary tooth	
	20	04 Unerupted tooth	
	973	05 Sound permanent	
	57	07 Decayed permanent	
	157	08 Filled permanent	
	39	09 Full crown coverage	
	41	10 Missing (due to caries/periodontal disease)	
	250	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	26	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
752-753 DERCT10		Coronal tooth calls: upper right cuspid	
	13	00 Tooth present but excluded	
	149	01 Sound deciduous or primary tooth	
	5	02 Decayed deciduous or primary tooth	
	1	03 Filled deciduous or primary tooth	
	4	04 Unerupted tooth	
	981	05 Sound permanent	
	44	07 Decayed permanent	
	135	08 Filled permanent	
	38	09 Full crown coverage	
	35	10 Missing (due to caries/periodontal disease)	
	224	11 Replacement for missing tooth (due to caries/periodontal disease)	
	5	12 Missing (due to orthodontic or non-disease)	
	9	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
754-755 DERCT11		Coronal tooth calls: upper right 1st bicuspid	
	1	00 Tooth present but excluded	
	102	01 Sound deciduous or primary tooth	
	16	02 Decayed deciduous or primary tooth	
	3	03 Filled deciduous or primary tooth	
	5	04 Unerupted tooth	
	763	05 Sound permanent	
	52	07 Decayed permanent	
	250	08 Filled permanent	
	60	09 Full crown coverage	
	78	10 Missing (due to caries/periodontal disease)	
	275	11 Replacement for missing tooth (due to caries/periodontal disease)	
	37	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
756-757 DERCT12		Coronal tooth calls: upper right 2nd bicuspid	
	124	01 Sound deciduous or primary tooth	
	16	02 Decayed deciduous or primary tooth	
	25	03 Filled deciduous or primary tooth	
	2	04 Unerupted tooth	
	696	05 Sound permanent	
	50	07 Decayed permanent	
	251	08 Filled permanent	
	75	09 Full crown coverage	
	113	10 Missing (due to caries/periodontal disease)	
	286	11 Replacement for missing tooth (due to caries/periodontal disease)	
	3	12 Missing (due to orthodontic or non-disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non- disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
758-759 DERCT13		Coronal tooth calls: upper right 1st molar	
	14	04 Unerupted tooth	
	527	05 Sound permanent	
	88	07 Decayed permanent	
	461	08 Filled permanent	
	65	09 Full crown coverage	
	188	10 Missing (due to caries/periodontal disease)	
	298	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	
760-761 DERCT14		Coronal tooth calls: upper right 2nd molar	
	183	04 Unerupted tooth	
	520	05 Sound permanent	
	67	07 Decayed permanent	
	382	08 Filled permanent	
	60	09 Full crown coverage	
	160	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
762 DER3M2		Coronal tooth calls: upper right 3rd molar	
	371	1 Present	
	922	2 Absent	
	1303	Blank	
763-764 DERCT15		Coronal tooth calls: lower left central incisor	
	1	00 Tooth present but excluded	
	11	01 Sound deciduous or primary tooth	
	1	04 Unerupted tooth	
	1384	05 Sound permanent	
	9	07 Decayed permanent	
	19	08 Filled permanent	
	10	09 Full crown coverage	
	31	10 Missing (due to caries/periodontal disease)	
	166	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	7	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
765-766 DERCT16		Coronal tooth calls: lower left lateral incisor	
	1	00 Tooth present but excluded	
	38	01 Sound deciduous or primary tooth	
	6	04 Unerupted tooth	
	1347	05 Sound permanent	
	16	07 Decayed permanent	
	28	08 Filled permanent	
	7	09 Full crown coverage	
	30	10 Missing (due to caries/periodontal disease)	
	159	11 Replacement for missing tooth (due to caries/periodontal disease)	
	7	12 Missing (due to orthodontic or non-disease)	
	4	13 Replacement for missing tooth (due to orthodontic or non- disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
767-768		Coronal tooth calls: lower left cuspid	
DERCT17	1	00 Tooth present but excluded	
	118	01 Sound deciduous or primary tooth	
	2	03 Filled deciduous or primary tooth	
	9	04 Unerupted tooth	
	1259	05 Sound permanent	
	29	07 Decayed permanent	
	42	08 Filled permanent	
	20	09 Full crown coverage	
	25	10 Missing (due to caries/periodontal disease)	
	135	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
769-770 DERCT18		Coronal tooth calls: lower left 1st bicuspid	
	91	01 Sound deciduous or primary tooth	
	9	02 Decayed deciduous or primary tooth	
	22	03 Filled deciduous or primary tooth	
	6	04 Unerupted tooth	
	1008	05 Sound permanent	
	40	07 Decayed permanent	
	187	08 Filled permanent	
	31	09 Full crown coverage	
	53	10 Missing (due to caries/periodontal disease)	
	167	11 Replacement for missing tooth (due to caries/periodontal disease)	
	29	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
771-772 DERCT19		Coronal tooth calls: lower left 2nd bicuspid	
	117	01 Sound deciduous or primary tooth	
	12	02 Decayed deciduous or primary tooth	
	27	03 Filled deciduous or primary tooth	
	6	04 Unerupted tooth	
	793	05 Sound permanent	
	44	07 Decayed permanent	
	275	08 Filled permanent	
	60	09 Full crown coverage	
	107	10 Missing (due to caries/periodontal disease)	
	201	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
773-774 DERCT20		Coronal tooth calls: lower left 1st molar	
	12	04 Unerupted tooth	
	448	05 Sound permanent	
	82	07 Decayed permanent	
	415	08 Filled permanent	
	94	09 Full crown coverage	
	322	10 Missing (due to caries/periodontal disease)	
	268	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
775-776 DERCT21		Coronal tooth calls: lower left 2nd molar	
	169	04 Unerupted tooth	
	408	05 Sound permanent	
	90	07 Decayed permanent	
	403	08 Filled permanent	
	76	09 Full crown coverage	
	263	10 Missing (due to caries/periodontal disease)	
	233	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
777 DER3M3		Coronal tooth calls: lower left 3rd molar	
	418	1 Present	
	875	2 Absent	
	1303	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
778-779 DERCT22		Coronal tooth calls: lower right central incisor	
	5	00 Tooth present but excluded	
	11	01 Sound deciduous or primary tooth	
	1375	05 Sound permanent	
	13	07 Decayed permanent	
	23	08 Filled permanent	
	7	09 Full crown coverage	
	31	10 Missing (due to caries/periodontal disease)	
	164	11 Replacement for missing tooth (due to caries/periodontal disease)	
	9	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
780-781 DERCT23		Coronal tooth calls: lower right lateral incisor	
	2	00 Tooth present but excluded	
	34	01 Sound deciduous or primary tooth	
	11	04 Unerupted tooth	
	1353	05 Sound permanent	
	18	07 Decayed permanent	
	23	08 Filled permanent	
	7	09 Full crown coverage	
	29	10 Missing (due to caries/periodontal disease)	
	157	11 Replacement for missing tooth (due to caries/periodontal disease)	
	4	12 Missing (due to orthodontic or non-disease)	
	5	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
782-783 DERCT24		Coronal tooth calls: lower right cuspid	
	1	00 Tooth present but excluded	
	117	01 Sound deciduous or primary tooth	
	1	02 Decayed deciduous or primary tooth	
	2	03 Filled deciduous or primary tooth	
	6	04 Unerupted tooth	
	1245	05 Sound permanent	
	38	07 Decayed permanent	
	55	08 Filled permanent	
	19	09 Full crown coverage	
	24	10 Missing (due to caries/periodontal disease)	
	133	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	1	13 Replacement for missing tooth (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
784-785 DERCT25		Coronal tooth calls: lower right 1st bicuspid	
	93	01 Sound deciduous or primary tooth	
	12	02 Decayed deciduous or primary tooth	
	15	03 Filled deciduous or primary tooth	
	2	04 Unerupted tooth	
	1014	05 Sound permanent	
	39	07 Decayed permanent	
	178	08 Filled permanent	
	33	09 Full crown coverage	
	60	10 Missing (due to caries/periodontal disease)	
	169	11 Replacement for missing tooth (due to caries/periodontal disease)	
	28	12 Missing (due to orthodontic or non-disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
786-787 DERCT26		Coronal tooth calls: lower right 2nd bicuspid	
	109	01 Sound deciduous or primary tooth	
	16	02 Decayed deciduous or primary tooth	
	30	03 Filled deciduous or primary tooth	
	6	04 Unerupted tooth	
	775	05 Sound permanent	
	48	07 Decayed permanent	
	281	08 Filled permanent	
	60	09 Full crown coverage	
	113	10 Missing (due to caries/periodontal disease)	
	203	11 Replacement for missing tooth (due to caries/periodontal disease)	
	2	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
788-789 DERCT27		Coronal tooth calls: lower right 1st molar	
	12	04 Unerupted tooth	
	445	05 Sound permanent	
	92	07 Decayed permanent	
	428	08 Filled permanent	
	83	09 Full crown coverage	
	320	10 Missing (due to caries/periodontal disease)	
	263	11 Replacement for missing tooth (due to caries/periodontal disease)	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
790-791 DERCT28		Coronal tooth calls: lower right 2nd molar	
	169	04 Unerupted tooth	
	406	05 Sound permanent	
	94	07 Decayed permanent	
	413	08 Filled permanent	
	69	09 Full crown coverage	
	255	10 Missing (due to caries/periodontal disease)	
	236	11 Replacement for missing tooth (due to caries/periodontal disease)	
	1	12 Missing (due to orthodontic or non-disease)	
	953	Blank	
792 DER3M4		Coronal tooth calls: lower right 3rd molar	
	414	1 Present	
	879	2 Absent	
	1303	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
SEALANTS			
793 DERSE1	1643 953	Sealant: upper left central incisor 2 Not eligible for sealants Blank	See note
794 DERSE2	1258 385 953	Sealant: upper left lateral incisor 0 No sealant 2 Not eligible for sealants Blank	See note
795 DERSE3	1643 953	Sealant: upper left cuspid 2 Not eligible for sealants Blank	See note
796 DERSE4	1174 5 464 953	Sealant: upper left 1st bicuspid 0 No sealant 1 Sealant present 2 Not eligible for sealants Blank	See note
797 DERSE5	1148 5 490 953	Sealant: upper left 2nd bicuspid 0 No sealant 1 Sealant present 2 Not eligible for sealants Blank	See note
798 DERSE6	1023 39 581 953	Sealant: upper left 1st molar 0 No sealant 1 Sealant present 2 Not eligible for sealants Blank	See note

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
799 DERSE7	951	Sealant: upper left 2nd molar 0 No sealant	See note
	16	1 Sealant present	
	676	2 Not eligible for sealants	
	953	Blank	
800 DERSE8	1643	Sealant: upper right central incisor 2 Not eligible for sealants	See note
	953	Blank	
801 DERSE9	1240	Sealant: upper right lateral incisor 0 No sealant	See note
	403	2 Not eligible for sealants	
	953	Blank	
802 DERSE10	1643	Sealant: upper right cuspid 2 Not eligible for sealants	See note
	953	Blank	
803 DERSE11	1181	Sealant: upper right 1st bicuspid 0 No sealant	See note
	5	1 Sealant present	
	457	2 Not eligible for sealants	
	953	Blank	
804 DERSE12	1157	Sealant: upper right 2nd bicuspid 0 No sealant	See note
	5	1 Sealant present	
	481	2 Not eligible for sealants	
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
805 DERSE13	1035	Sealant: upper right 1st molar 0 No sealant	See note
	41	1 Sealant present	
	567	2 Not eligible for sealants	
	953	Blank	
806 DERSE14	954	Sealant: upper right 2nd molar 0 No sealant	See note
	15	1 Sealant present	
	674	2 Not eligible for sealants	
	953	Blank	
807 DERSE15	1643	Sealant: lower left central incisor 2 Not eligible for sealants	See note
	953	Blank	
808 DERSE16	1643	Sealant: lower left lateral incisor 2 Not eligible for sealants	See note
	953	Blank	
809 DERSE17	1643	Sealant: lower left cuspid 2 Not eligible for sealants	See note
	953	Blank	
810 DERSE18	1352	Sealant: lower left 1st bicuspid 0 No sealant	See note
	5	1 Sealant present	
	286	2 Not eligible for sealants	
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
811 DERSE19	1260	Sealant: lower left 2nd bicuspid 0 No sealant	See note
	8	1 Sealant present	
	375	2 Not eligible for sealants	
	953	Blank	
812 DERSE20	901	Sealant: lower left 1st molar 0 No sealant	See note
	44	1 Sealant present	
	698	2 Not eligible for sealants	
	953	Blank	
813 DERSE21	885	Sealant: lower left 2nd molar 0 No sealant	See note
	16	1 Sealant present	
	742	2 Not eligible for sealants	
	953	Blank	
814 DERSE22	1643	Sealant: lower right central incisor 2 Not eligible for sealants	See note
	953	Blank	
815 DERSE23	1643	Sealant: lower right lateral incisor 2 Not eligible for sealants	See note
	953	Blank	
816 DERSE24	1643	Sealant: lower right cuspid 2 Not eligible for sealants	See note
	953	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
817 DERSE25	1346	Sealant: lower right 1st bicuspid 0 No sealant	See note
	5	1 Sealant present	
	292	2 Not eligible for sealants	
	953	Blank	
818 DERSE26	1251	Sealant: lower right 2nd bicuspid 0 No sealant	See note
	8	1 Sealant present	
	384	2 Not eligible for sealants	
	953	Blank	
819 DERSE27	926	Sealant: lower right 1st molar 0 No sealant	See note
	39	1 Sealant present	
	678	2 Not eligible for sealants	
	953	Blank	
820 DERSE28	898	Sealant: lower right 2nd molar 0 No sealant	See note
	15	1 Sealant present	
	730	2 Not eligible for sealants	
	953	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions		Item description	
SAS name	Counts	and code	Notes

ROOT CARIES, SURFACES

821		Root caries, surfaces: upper left	
DERRS1		central incisor, lingual surface	
	901	0 Sound surface	
	4	1 Caries	
	234	8 Not present	
	54	9 Could not be assessed	
	1403	Blank	

822		Root caries, surfaces: upper left	
DERRS2		central incisor, buccal surface	
	885	0 Sound surface	
	11	1 Caries	
	9	2 Filled	
	234	8 Not present	
	54	9 Could not be assessed	
	1403	Blank	

823		Root caries, surfaces: upper left	
DERRS3		central incisor, mesial surface	
	895	0 Sound surface	
	8	1 Caries	
	2	2 Filled	
	234	8 Not present	
	54	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
824 DERRS4		Root caries, surfaces: upper left central incisor, distal surface	
	892	0 Sound surface	
	11	1 Caries	
	2	2 Filled	
	234	8 Not present	
	54	9 Could not be assessed	
	1403	Blank	
825 DERRS5		Root caries, surfaces: upper left lateral incisor, lingual surface	
	897	0 Sound surface	
	11	1 Caries	
	232	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
826 DERRS6		Root caries, surfaces: upper left lateral incisor, buccal surface	
	888	0 Sound surface	
	12	1 Caries	
	8	2 Filled	
	232	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
827 DERRS7		Root caries, surfaces: upper left lateral incisor, mesial surface	
	894	0 Sound surface	
	12	1 Caries	
	2	2 Filled	
	232	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
828 DERRS8		Root caries, surfaces: upper left lateral incisor, distal surface	
	893	0 Sound surface	
	11	1 Caries	
	4	2 Filled	
	232	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
829 DERRS9		Root caries, surfaces: upper left cuspid, lingual surface	
	931	0 Sound surface	
	8	1 Caries	
	1	2 Filled	
	193	8 Not present	
	60	9 Could not be assessed	
	1403	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
830 DERRS10		Root caries, surfaces: upper left cuspid, buccal surface	
	909	0 Sound surface	
	13	1 Caries	
	18	2 Filled	
	193	8 Not present	
	60	9 Could not be assessed	
	1403	Blank	
831 DERRS11		Root caries, surfaces: upper left cuspid, mesial surface	
	923	0 Sound surface	
	13	1 Caries	
	4	2 Filled	
	193	8 Not present	
	60	9 Could not be assessed	
	1403	Blank	
832 DERRS12		Root caries, surfaces: upper left cuspid, distal surface	
	928	0 Sound surface	
	9	1 Caries	
	3	2 Filled	
	193	8 Not present	
	60	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
833 DERRS13		Root caries, surfaces: upper left 1st bicuspid, lingual surface	
	805	0 Sound surface	
	11	1 Caries	
	2	2 Filled	
	314	8 Not present	
	61	9 Could not be assessed	
	1403	Blank	
834 DERRS14		Root caries, surfaces: upper left 1st bicuspid, buccal surface	
	789	0 Sound surface	
	15	1 Caries	
	14	2 Filled	
	314	8 Not present	
	61	9 Could not be assessed	
	1403	Blank	
835 DERRS15		Root caries, surfaces: upper left 1st bicuspid, mesial surface	
	803	0 Sound surface	
	13	1 Caries	
	2	2 Filled	
	314	8 Not present	
	61	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
836 DERRS16		Root caries, surfaces: upper left 1st bicuspid, distal surface	
	805	0 Sound surface	
	13	1 Caries	
	314	8 Not present	
	61	9 Could not be assessed	
	1403	Blank	
837 DERRS17		Root caries, surfaces: upper left 2nd bicuspid, lingual surface	
	795	0 Sound surface	
	15	1 Caries	
	329	8 Not present	
	54	9 Could not be assessed	
	1403	Blank	
838 DERRS18		Root caries, surfaces: upper left 2nd bicuspid, buccal surface	
	787	0 Sound surface	
	13	1 Caries	
	10	2 Filled	
	329	8 Not present	
	54	9 Could not be assessed	
	1403	Blank	
839 DERRS19		Root caries, surfaces: upper left 2nd bicuspid, mesial surface	
	794	0 Sound surface	
	15	1 Caries	
	1	2 Filled	
	329	8 Not present	
	54	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
840 DERRS20		Root caries, surfaces: upper left 2nd bicuspid, distal surface	
	795	0 Sound surface	
	13	1 Caries	
	2	2 Filled	
	329	8 Not present	
	54	9 Could not be assessed	
	1403	Blank	
841 DERRS21		Root caries, surfaces: upper left 1st molar, lingual surface	
	712	0 Sound surface	
	14	1 Caries	
	6	2 Filled	
	404	8 Not present	
	57	9 Could not be assessed	
	1403	Blank	
842 DERRS22		Root caries, surfaces: upper left 1st molar, buccal surface	
	716	0 Sound surface	
	13	1 Caries	
	3	2 Filled	
	404	8 Not present	
	57	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
843 DERRS23		Root caries, surfaces: upper left 1st molar, mesial surface	
	718	0 Sound surface	
	13	1 Caries	
	1	2 Filled	
	404	8 Not present	
	57	9 Could not be assessed	
	1403	Blank	
844 DERRS24		Root caries, surfaces: upper left 1st molar, distal surface	
	717	0 Sound surface	
	14	1 Caries	
	1	2 Filled	
	404	8 Not present	
	57	9 Could not be assessed	
	1403	Blank	
845 DERRS25		Root caries, surfaces: upper left 2nd molar, lingual surface	
	783	0 Sound surface	
	10	1 Caries	
	2	2 Filled	
	337	8 Not present	
	61	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
846 DERRS26		Root caries, surfaces: upper left 2nd molar, buccal surface	
	785	0 Sound surface	
	9	1 Caries	
	1	2 Filled	
	337	8 Not present	
	61	9 Could not be assessed	
	1403	Blank	
847 DERRS27		Root caries, surfaces: upper left 2nd molar, mesial surface	
	788	0 Sound surface	
	6	1 Caries	
	1	2 Filled	
	337	8 Not present	
	61	9 Could not be assessed	
	1403	Blank	
848 DERRS28		Root caries, surfaces: upper left 2nd molar, distal surface	
	786	0 Sound surface	
	9	1 Caries	
	337	8 Not present	
	61	9 Could not be assessed	
	1403	Blank	
849 DERRS29		Root caries, surfaces: upper right central incisor, lingual surface	
	892	0 Sound surface	
	5	1 Caries	
	228	8 Not present	
	68	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
850 DERRS30		Root caries, surfaces: upper right central incisor, buccal surface	
	886	0 Sound surface	
	9	1 Caries	
	2	2 Filled	
	228	8 Not present	
	68	9 Could not be assessed	
	1403	Blank	
851 DERRS31		Root caries, surfaces: upper right central incisor, mesial surface	
	888	0 Sound surface	
	8	1 Caries	
	1	2 Filled	
	228	8 Not present	
	68	9 Could not be assessed	
	1403	Blank	
852 DERRS32		Root caries, surfaces: upper right central incisor, distal surface	
	890	0 Sound surface	
	6	1 Caries	
	1	2 Filled	
	228	8 Not present	
	68	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
853 DERRS33		Root caries, surfaces: upper right lateral incisor, lingual surface	
	887	0 Sound surface	
	6	1 Caries	
	233	8 Not present	
	67	9 Could not be assessed	
	1403	Blank	
854 DERRS34		Root caries, surfaces: upper right lateral incisor, buccal surface	
	880	0 Sound surface	
	11	1 Caries	
	2	2 Filled	
	233	8 Not present	
	67	9 Could not be assessed	
	1403	Blank	
855 DERRS35		Root caries, surfaces: upper right lateral incisor, mesial surface	
	883	0 Sound surface	
	8	1 Caries	
	2	2 Filled	
	233	8 Not present	
	67	9 Could not be assessed	
	1403	Blank	
856 DERRS36		Root caries, surfaces: upper right lateral incisor, distal surface	
	885	0 Sound surface	
	8	1 Caries	
	233	8 Not present	
	67	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
857 DERRS37		Root caries, surfaces: upper right cuspid, lingual surface	
	924	0 Sound surface	
	9	1 Caries	
	190	8 Not present	
	70	9 Could not be assessed	
	1403	Blank	
858 DERRS38		Root caries, surfaces: upper right cuspid, buccal surface	
	904	0 Sound surface	
	15	1 Caries	
	14	2 Filled	
	190	8 Not present	
	70	9 Could not be assessed	
	1403	Blank	
859 DERRS39		Root caries, surfaces: upper right cuspid, mesial surface	
	920	0 Sound surface	
	11	1 Caries	
	2	2 Filled	
	190	8 Not present	
	70	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
860 DERRS40		Root caries, surfaces: upper right cuspid, distal surface	
	924	0 Sound surface	
	8	1 Caries	
	1	2 Filled	
	190	8 Not present	
	70	9 Could not be assessed	
	1403	Blank	
861 DERRS41		Root caries, surfaces: upper right 1st bicuspid, lingual surface	
	835	0 Sound surface	
	11	1 Caries	
	295	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
862 DERRS42		Root caries, surfaces: upper right 1st bicuspid, buccal surface	
	820	0 Sound surface	
	15	1 Caries	
	11	2 Filled	
	295	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
863 DERRS43		Root caries, surfaces: upper right 1st bicuspid, mesial surface	
	829	0 Sound surface	
	16	1 Caries	
	1	2 Filled	
	295	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
864 DERRS44		Root caries, surfaces: upper right 1st bicuspid, distal surface	
	830	0 Sound surface	
	15	1 Caries	
	1	2 Filled	
	295	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
865 DERRS45		Root caries, surfaces: upper right 2nd bicuspid, lingual surface	
	809	0 Sound surface	
	16	1 Caries	
	1	2 Filled	
	315	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
866 DERRS46		Root caries, surfaces: upper right 2nd bicuspid, buccal surface	
	800	0 Sound surface	
	17	1 Caries	
	9	2 Filled	
	315	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
867 DERRS47		Root caries, surfaces: upper right 2nd bicuspid, mesial surface	
	807	0 Sound surface	
	18	1 Caries	
	1	2 Filled	
	315	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
868 DERRS48		Root caries, surfaces: upper right 2nd bicuspid, distal surface	
	805	0 Sound surface	
	19	1 Caries	
	2	2 Filled	
	315	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
869 DERRS49		Root caries, surfaces: upper right 1st molar, lingual surface	
	733	0 Sound surface	
	15	1 Caries	
	3	2 Filled	
	390	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
870 DERRS50		Root caries, surfaces: upper right 1st molar, buccal surface	
	733	0 Sound surface	
	11	1 Caries	
	7	2 Filled	
	390	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
871 DERRS51		Root caries, surfaces: upper right 1st molar, mesial surface	
	735	0 Sound surface	
	16	1 Caries	
	390	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
872 DERRS52		Root caries, surfaces: upper right 1st molar, distal surface	
	737	0 Sound surface	
	12	1 Caries	
	2	2 Filled	
	390	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
873 DERRS53		Root caries, surfaces: upper right 2nd molar, lingual surface	
	789	0 Sound surface	
	21	1 Caries	
	2	2 Filled	
	329	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
874 DERRS54		Root caries, surfaces: upper right 2nd molar, buccal surface	
	785	0 Sound surface	
	22	1 Caries	
	5	2 Filled	
	329	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
875 DERRS55		Root caries, surfaces: upper right 2nd molar, mesial surface	
	791	0 Sound surface	
	20	1 Caries	
	1	2 Filled	
	329	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
876 DERRS56		Root caries, surfaces: upper right 2nd molar, distal surface	
	785	0 Sound surface	
	26	1 Caries	
	1	2 Filled	
	329	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
877 DERRS57		Root caries, surfaces: lower left central incisor, lingual surface	
	1004	0 Sound surface	
	2	1 Caries	
	134	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
878 DERRS58		Root caries, surfaces: lower left central incisor, buccal surface	
	1004	0 Sound surface	
	2	1 Caries	
	134	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
879 DERRS59		Root caries, surfaces: lower left central incisor, mesial surface	
	1004	0 Sound surface	
	2	1 Caries	
	134	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
880 DERRS60		Root caries, surfaces: lower left central incisor, distal surface	
	1001	0 Sound surface	
	4	1 Caries	
	1	2 Filled	
	134	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
881 DERRS61		Root caries, surfaces: lower left lateral incisor, lingual surface	
	1009	0 Sound surface	
	3	1 Caries	
	128	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
882 DERRS62		Root caries, surfaces: lower left lateral incisor, buccal surface	
	1006	0 Sound surface	
	5	1 Caries	
	1	2 Filled	
	128	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
883 DERRS63		Root caries, surfaces: lower left lateral incisor, mesial surface	
	1008	0 Sound surface	
	4	1 Caries	
	128	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
884 DERRS64		Root caries, surfaces: lower left lateral incisor, distal surface	
	1007	0 Sound surface	
	4	1 Caries	
	1	2 Filled	
	128	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
885 DERRS65		Root caries, surfaces: lower left cuspid, lingual surface	
	1036	0 Sound surface	
	6	1 Caries	
	1	2 Filled	
	97	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
886 DERRS66		Root caries, surfaces: lower left cuspid, buccal surface	
	1017	0 Sound surface	
	14	1 Caries	
	12	2 Filled	
	97	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
887 DERRS67		Root caries, surfaces: lower left cuspid, mesial surface	
	1035	0 Sound surface	
	6	1 Caries	
	2	2 Filled	
	97	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
888 DERRS68		Root caries, surfaces: lower left cuspid, distal surface	
	1033	0 Sound surface	
	8	1 Caries	
	2	2 Filled	
	97	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
889 DERRS69		Root caries, surfaces: lower left 1st bicuspid, lingual surface	
	960	0 Sound surface	
	9	1 Caries	
	172	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
890 DERRS70		Root caries, surfaces: lower left 1st bicuspid, buccal surface	
	924	0 Sound surface	
	17	1 Caries	
	28	2 Filled	
	172	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
891 DERRS71		Root caries, surfaces: lower left 1st bicuspid, mesial surface	
	960	0 Sound surface	
	8	1 Caries	
	1	2 Filled	
	172	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
892 DERRS72		Root caries, surfaces: lower left 1st bicuspid, distal surface	
	952	0 Sound surface	
	13	1 Caries	
	4	2 Filled	
	172	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
893 DERRS73		Root caries, surfaces: lower left 2nd bicuspid, lingual surface	
	898	0 Sound surface	
	10	1 Caries	
	1	2 Filled	
	231	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
894 DERRS74		Root caries, surfaces: lower left 2nd bicuspid, buccal surface	
	877	0 Sound surface	
	15	1 Caries	
	17	2 Filled	
	231	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
895 DERRS75		Root caries, surfaces: lower left 2nd bicuspid, mesial surface	
	899	0 Sound surface	
	9	1 Caries	
	1	2 Filled	
	231	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
896 DERRS76		Root caries, surfaces: lower left 2nd bicuspid, distal surface	
	893	0 Sound surface	
	13	1 Caries	
	3	2 Filled	
	231	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
897 DERRS77		Root caries, surfaces: lower left 1st molar, lingual surface	
	645	0 Sound surface	
	15	1 Caries	
	481	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
898 DERRS78		Root caries, surfaces: lower left 1st molar, buccal surface	
	633	0 Sound surface	
	21	1 Caries	
	6	2 Filled	
	481	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
899 DERRS79		Root caries, surfaces: lower left 1st molar, mesial surface	
	644	0 Sound surface	
	16	1 Caries	
	481	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
900 DERRS80		Root caries, surfaces: lower left 1st molar, distal surface	
	642	0 Sound surface	
	18	1 Caries	
	481	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
901 DERRS81		Root caries, surfaces: lower left 2nd molar, lingual surface	
	738	0 Sound surface	
	10	1 Caries	
	1	2 Filled	
	392	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
902 DERRS82		Root caries, surfaces: lower left 2nd molar, buccal surface	
	722	0 Sound surface	
	13	1 Caries	
	14	2 Filled	
	392	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
903 DERRS83		Root caries, surfaces: lower left 2nd molar, mesial surface	
	736	0 Sound surface	
	11	1 Caries	
	2	2 Filled	
	392	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
904 DERRS84		Root caries, surfaces: lower left 2nd molar, distal surface	
	737	0 Sound surface	
	11	1 Caries	
	1	2 Filled	
	392	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
905 DERRS85		Root caries, surfaces: lower right central incisor, lingual surface	
	1002	0 Sound surface	
	2	1 Caries	
	136	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
906 DERRS86		Root caries, surfaces: lower right central incisor, buccal surface	
	999	0 Sound surface	
	3	1 Caries	
	2	2 Filled	
	136	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
907 DERRS87		Root caries, surfaces: lower right central incisor, mesial surface	
	1000	0 Sound surface	
	3	1 Caries	
	1	2 Filled	
	136	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
908 DERRS88		Root caries, surfaces: lower right central incisor, distal surface	
	1001	0 Sound surface	
	2	1 Caries	
	1	2 Filled	
	136	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
909 DERRS89		Root caries, surfaces: lower right lateral incisor, lingual surface	
	1013	0 Sound surface	
	2	1 Caries	
	125	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
910 DERRS90		Root caries, surfaces: lower right lateral incisor, buccal surface	
	1008	0 Sound surface	
	5	1 Caries	
	2	2 Filled	
	125	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
911 DERRS91		Root caries, surfaces: lower right lateral incisor, mesial surface	
	1012	0 Sound surface	
	2	1 Caries	
	1	2 Filled	
	125	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
912 DERRS92		Root caries, surfaces: lower right lateral incisor, distal surface	
	1011	0 Sound surface	
	4	1 Caries	
	125	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
913 DERRS93		Root caries, surfaces: lower right cuspid, lingual surface	
	1043	0 Sound surface	
	5	1 Caries	
	92	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
914 DERRS94		Root caries, surfaces: lower right cuspid, buccal surface	
	1024	0 Sound surface	
	13	1 Caries	
	11	2 Filled	
	92	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
915 DERRS95		Root caries, surfaces: lower right cuspid, mesial surface	
	1037	0 Sound surface	
	11	1 Caries	
	92	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
916 DERRS96		Root caries, surfaces: lower right cuspid, distal surface	
	1034	0 Sound surface	
	11	1 Caries	
	3	2 Filled	
	92	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
917 DERRS97		Root caries, surfaces: lower right 1st bicuspid, lingual surface	
	955	0 Sound surface	
	7	1 Caries	
	1	2 Filled	
	178	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
918 DERRS98		Root caries, surfaces: lower right 1st bicuspid, buccal surface	
	922	0 Sound surface	
	16	1 Caries	
	25	2 Filled	
	178	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
919 DERRS99		Root caries, surfaces: lower right 1st bicuspid, mesial surface	
	959	0 Sound surface	
	4	1 Caries	
	178	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
920 DERRS100		Root caries, surfaces: lower right 1st bicuspid, distal surface	
	951	0 Sound surface	
	10	1 Caries	
	2	2 Filled	
	178	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
921 DERRS101		Root caries, surfaces: lower right 2nd bicuspid, lingual surface	
	887	0 Sound surface	
	10	1 Caries	
	244	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
922 DERRS102		Root caries, surfaces: lower right 2nd bicuspid, buccal surface	
	867	0 Sound surface	
	14	1 Caries	
	16	2 Filled	
	244	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
923 DERRS103		Root caries, surfaces: lower right 2nd bicuspid, mesial surface	
	884	0 Sound surface	
	12	1 Caries	
	1	2 Filled	
	244	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
924 DERRS104		Root caries, surfaces: lower right 2nd bicuspid, distal surface	
	875	0 Sound surface	
	17	1 Caries	
	5	2 Filled	
	244	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
925 DERRS105		Root caries, surfaces: lower right 1st molar, lingual surface	
	651	0 Sound surface	
	13	1 Caries	
	2	2 Filled	
	475	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
926 DERRS106		Root caries, surfaces: lower right 1st molar, buccal surface	
	638	0 Sound surface	
	14	1 Caries	
	14	2 Filled	
	475	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
927 DERRS107		Root caries, surfaces: lower right 1st molar, mesial surface	
	654	0 Sound surface	
	11	1 Caries	
	1	2 Filled	
	475	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
928 DERRS108		Root caries, surfaces: lower right 1st molar, distal surface	
	649	0 Sound surface	
	15	1 Caries	
	2	2 Filled	
	475	8 Not present	
	52	9 Could not be assessed	
	1403	Blank	
929 DERRS109		Root caries, surfaces: lower right 2nd molar, lingual surface	
	736	0 Sound surface	
	18	1 Caries	
	1	2 Filled	
	385	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
930 DERRS110		Root caries, surfaces: lower right 2nd molar, buccal surface	
	717	0 Sound surface	
	20	1 Caries	
	18	2 Filled	
	385	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
931 DERRS111		Root caries, surfaces: lower right 2nd molar, mesial surface	
	741	0 Sound surface	
	13	1 Caries	
	1	2 Filled	
	385	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	
932 DERRS112		Root caries, surfaces: lower right 2nd molar, distal surface	
	738	0 Sound surface	
	16	1 Caries	
	1	2 Filled	
	385	8 Not present	
	53	9 Could not be assessed	
	1403	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
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GINGIVAL BLEEDING

933 DERUGN1		Periodontal assessments: gingival bleeding - upper central incisor, mesial	
	940	0 No bleeding	
	73	1 Bleeding	
	289	9 Could not be assessed	
	1294	Blank	
934 DERUGN2		Periodontal assessments: gingival bleeding - upper central incisor, buccal	
	910	0 No bleeding	
	104	1 Bleeding	
	288	9 Could not be assessed	
	1294	Blank	
935 DERUGN3		Periodontal assessments: gingival bleeding - upper lateral incisor, mesial	
	919	0 No bleeding	
	94	1 Bleeding	
	289	9 Could not be assessed	
	1294	Blank	
936 DERUGN4		Periodontal assessments: gingival bleeding - upper lateral incisor, buccal	
	903	0 No bleeding	
	110	1 Bleeding	
	289	9 Could not be assessed	
	1294	Blank	

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 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
937 DERUGN5		Periodontal assessments: gingival bleeding - upper cuspid, mesial	
	944	0 No bleeding	
	113	1 Bleeding	
	245	9 Could not be assessed	
	1294	Blank	
938 DERUGN6		Periodontal assessments: gingival bleeding - upper cuspid, buccal	
	907	0 No bleeding	
	150	1 Bleeding	
	245	9 Could not be assessed	
	1294	Blank	
939 DERUGN7		Periodontal assessments: gingival bleeding - upper 1st bicuspid, mesial	
	854	0 No bleeding	
	81	1 Bleeding	
	367	9 Could not be assessed	
	1294	Blank	
940 DERUGN8		Periodontal assessments: gingival bleeding - upper 1st bicuspid, buccal	
	847	0 No bleeding	
	88	1 Bleeding	
	367	9 Could not be assessed	
	1294	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
941 DERUGN9		Periodontal assessments: gingival bleeding - upper 2nd bicuspid, mesial	
	842	0 No bleeding	
	74	1 Bleeding	
	386	9 Could not be assessed	
	1294	Blank	
942 DERUGN10		Periodontal assessments: gingival bleeding - upper 2nd bicuspid, buccal	
	839	0 No bleeding	
	77	1 Bleeding	
	386	9 Could not be assessed	
	1294	Blank	
943 DERUGN11		Periodontal assessments: gingival bleeding - upper 1st molar, mesial	
	749	0 No bleeding	
	98	1 Bleeding	
	455	9 Could not be assessed	
	1294	Blank	
944 DERUGN12		Periodontal assessments: gingival bleeding - upper 1st molar, buccal	
	729	0 No bleeding	
	118	1 Bleeding	
	455	9 Could not be assessed	
	1294	Blank	

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 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
945 DERUGN13		Periodontal assessments: gingival bleeding - upper 2nd molar, mesial	
	763	0 No bleeding	
	140	1 Bleeding	
	399	9 Could not be assessed	
	1294	Blank	
946 DERUGN14		Periodontal assessments: gingival bleeding - upper 2nd molar, buccal	
	756	0 No bleeding	
	147	1 Bleeding	
	399	9 Could not be assessed	
	1294	Blank	
947 DERLGN1		Periodontal assessments: gingival bleeding - lower central incisor, mesial	
	1006	0 No bleeding	
	103	1 Bleeding	
	192	9 Could not be assessed	
	1295	Blank	
948 DERLGN2		Periodontal assessments: gingival bleeding - lower central incisor, buccal	
	963	0 No bleeding	
	146	1 Bleeding	
	192	9 Could not be assessed	
	1295	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
949 DERLGN3		Periodontal assessments: gingival bleeding - lower lateral incisor, mesial	
	1023	0 No bleeding	
	98	1 Bleeding	
	180	9 Could not be assessed	
	1295	Blank	
950 DERLGN4		Periodontal assessments: gingival bleeding - lower lateral incisor, buccal	
	955	0 No bleeding	
	166	1 Bleeding	
	180	9 Could not be assessed	
	1295	Blank	
951 DERLGN5		Periodontal assessments: gingival bleeding - lower cuspid, mesial	
	1028	0 No bleeding	
	124	1 Bleeding	
	149	9 Could not be assessed	
	1295	Blank	
952 DERLGN6		Periodontal assessments: gingival bleeding - lower cuspid, buccal	
	994	0 No bleeding	
	158	1 Bleeding	
	149	9 Could not be assessed	
	1295	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
953 DERLGN7		Periodontal assessments: gingival bleeding - lower 1st bicuspid, mesial	
	1017	0 No bleeding	
	55	1 Bleeding	
	229	9 Could not be assessed	
	1295	Blank	
954 DERLGN8		Periodontal assessments: gingival bleeding - lower 1st bicuspid, buccal	
	963	0 No bleeding	
	109	1 Bleeding	
	229	9 Could not be assessed	
	1295	Blank	
955 DERLGN9		Periodontal assessments: gingival bleeding - lower 2nd bicuspid, mesial	
	961	0 No bleeding	
	48	1 Bleeding	
	292	9 Could not be assessed	
	1295	Blank	
956 DERLGN10		Periodontal assessments: gingival bleeding - lower 2nd bicuspid, buccal	
	945	0 No bleeding	
	64	1 Bleeding	
	292	9 Could not be assessed	
	1295	Blank	

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 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
957 DERLGN11		Periodontal assessments: gingival bleeding - lower 1st molar, mesial	
	730	0 No bleeding	
	34	1 Bleeding	
	537	9 Could not be assessed	
	1295	Blank	
958 DERLGN12		Periodontal assessments: gingival bleeding - lower 1st molar, buccal	
	701	0 No bleeding	
	63	1 Bleeding	
	537	9 Could not be assessed	
	1295	Blank	
959 DERLGN13		Periodontal assessments: gingival bleeding - lower 2nd molar, mesial	
	784	0 No bleeding	
	63	1 Bleeding	
	454	9 Could not be assessed	
	1295	Blank	
960 DERLGN14		Periodontal assessments: gingival bleeding - lower 2nd molar, buccal	
	733	0 No bleeding	
	113	1 Bleeding	
	455	9 Could not be assessed	
	1295	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
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CALCULUS

961 DERUCL1		Periodontal assessments: calculus score - upper central incisor, mesial	
	677	0 Absence of calculus	
	116	1 Supragingival calculus only	
	215	2 Supragingival and subgingival calculus or subgingival calculus only	
	294	9 Could not be assessed	
	1294	Blank	

962 DERUCL2		Periodontal assessments: calculus score - upper central incisor, buccal	
	766	0 Absence of calculus	
	100	1 Supragingival calculus only	
	143	2 Supragingival and subgingival calculus or subgingival calculus only	
	293	9 Could not be assessed	
	1294	Blank	

963 DERUCL3		Periodontal assessments: calculus score - upper lateral incisor, mesial	
	634	0 Absence of calculus	
	114	1 Supragingival calculus only	
	261	2 Supragingival and subgingival calculus or subgingival calculus only	
	293	9 Could not be assessed	
	1294	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
964 DERUCL4		Periodontal assessments: calculus score - upper lateral incisor, buccal	
	753	0 Absence of calculus	
	109	1 Supragingival calculus only	
	148	2 Supragingival and subgingival calculus or subgingival calculus only	
	292	9 Could not be assessed	
	1294	Blank	
965 DERUCL5		Periodontal assessments: calculus score - upper cuspid, mesial	
	644	0 Absence of calculus	
	129	1 Supragingival calculus only	
	279	2 Supragingival and subgingival calculus or subgingival calculus only	
	250	9 Could not be assessed	
	1294	Blank	
966 DERUCL6		Periodontal assessments: calculus score - upper cuspid, buccal	
	760	0 Absence of calculus	
	116	1 Supragingival calculus only	
	176	2 Supragingival and subgingival calculus or subgingival calculus only	
	250	9 Could not be assessed	
	1294	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
967 DERUCL7		Periodontal assessments: calculus score - upper 1st bicuspid, mesial	
	634	0 Absence of calculus	
	90	1 Supragingival calculus only	
	208	2 Supragingival and subgingival calculus or subgingival calculus only	
	370	9 Could not be assessed	
	1294	Blank	
968 DERUCL8		Periodontal assessments: calculus score - upper 1st bicuspid, buccal	
	702	0 Absence of calculus	
	98	1 Supragingival calculus only	
	131	2 Supragingival and subgingival calculus or subgingival calculus only	
	371	9 Could not be assessed	
	1294	Blank	
969 DERUCL9		Periodontal assessments: calculus score - upper 2nd bicuspid, mesial	
	598	0 Absence of calculus	
	97	1 Supragingival calculus only	
	214	2 Supragingival and subgingival calculus or subgingival calculus only	
	393	9 Could not be assessed	
	1294	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
970 DERUCL10		Periodontal assessments: calculus score - upper 2nd bicuspid, buccal	
	681	0 Absence of calculus	
	90	1 Supragingival calculus only	
	139	2 Supragingival and subgingival calculus or subgingival calculus only	
	392	9 Could not be assessed	
	1294	Blank	
971 DERUCL11		Periodontal assessments: calculus score - upper 1st molar, mesial	
	457	0 Absence of calculus	
	95	1 Supragingival calculus only	
	289	2 Supragingival and subgingival calculus or subgingival calculus only	
	461	9 Could not be assessed	
	1294	Blank	
972 DERUCL12		Periodontal assessments: calculus score - upper 1st molar, buccal	
	505	0 Absence of calculus	
	130	1 Supragingival calculus only	
	208	2 Supragingival and subgingival calculus or subgingival calculus only	
	459	9 Could not be assessed	
	1294	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
973 DERUCL13		Periodontal assessments: calculus score - upper 2nd molar, mesial	
	366	0 Absence of calculus	
	132	1 Supragingival calculus only	
	400	2 Supragingival and subgingival calculus or subgingival calculus only	
	404	9 Could not be assessed	
	1294	Blank	
974 DERUCL14		Periodontal assessments: calculus score - upper 2nd molar, buccal	
	485	0 Absence of calculus	
	111	1 Supragingival calculus only	
	303	2 Supragingival and subgingival calculus or subgingival calculus only	
	403	9 Could not be assessed	
	1294	Blank	
975 DERLCL1		Periodontal assessments: calculus score - lower central incisor, mesial	
	240	0 Absence of calculus	
	404	1 Supragingival calculus only	
	463	2 Supragingival and subgingival calculus or subgingival calculus only	
	193	9 Could not be assessed	
	1296	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
976 DERLCL2		Periodontal assessments: calculus score - lower central incisor, buccal	
	459	0 Absence of calculus	
	351	1 Supragingival calculus only	
	297	2 Supragingival and subgingival calculus or subgingival calculus only	
	193	9 Could not be assessed	
	1296	Blank	
977 DERLCL3		Periodontal assessments: calculus score - lower lateral incisor, mesial	
	300	0 Absence of calculus	
	373	1 Supragingival calculus only	
	447	2 Supragingival and subgingival calculus or subgingival calculus only	
	180	9 Could not be assessed	
	1296	Blank	
978 DERLCL4		Periodontal assessments: calculus score - lower lateral incisor, buccal	
	583	0 Absence of calculus	
	282	1 Supragingival calculus only	
	255	2 Supragingival and subgingival calculus or subgingival calculus only	
	180	9 Could not be assessed	
	1296	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
979 DERLCL5		Periodontal assessments: calculus score - lower cuspid, mesial	
	394	0 Absence of calculus	
	326	1 Supragingival calculus only	
	431	2 Supragingival and subgingival calculus or subgingival calculus only	
	149	9 Could not be assessed	
	1296	Blank	
980 DERLCL6		Periodontal assessments: calculus score - lower cuspid, buccal	
	672	0 Absence of calculus	
	246	1 Supragingival calculus only	
	233	2 Supragingival and subgingival calculus or subgingival calculus only	
	149	9 Could not be assessed	
	1296	Blank	
981 DERLCL7		Periodontal assessments: calculus score - lower 1st bicuspid, mesial	
	550	0 Absence of calculus	
	224	1 Supragingival calculus only	
	295	2 Supragingival and subgingival calculus or subgingival calculus only	
	231	9 Could not be assessed	
	1296	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
982 DERLCL8		Periodontal assessments: calculus score - lower 1st bicuspid, buccal	
	798	0 Absence of calculus	
	129	1 Supragingival calculus only	
	142	2 Supragingival and subgingival calculus or subgingival calculus only	
	231	9 Could not be assessed	
	1296	Blank	
983 DERLCL9		Periodontal assessments: calculus score - lower 2nd bicuspid, mesial	
	594	0 Absence of calculus	
	157	1 Supragingival calculus only	
	250	2 Supragingival and subgingival calculus or subgingival calculus only	
	299	9 Could not be assessed	
	1296	Blank	
984 DERLCL10		Periodontal assessments: calculus score - lower 2nd bicuspid, buccal	
	765	0 Absence of calculus	
	99	1 Supragingival calculus only	
	140	2 Supragingival and subgingival calculus or subgingival calculus only	
	296	9 Could not be assessed	
	1296	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
985 DERLCL11		Periodontal assessments: calculus score - lower 1st molar, mesial	
	446	0 Absence of calculus	
	124	1 Supragingival calculus only	
	188	2 Supragingival and subgingival calculus or subgingival calculus only	
	542	9 Could not be assessed	
	1296	Blank	
986 DERLCL12		Periodontal assessments: calculus score - lower 1st molar, buccal	
	585	0 Absence of calculus	
	74	1 Supragingival calculus only	
	99	2 Supragingival and subgingival calculus or subgingival calculus only	
	542	9 Could not be assessed	
	1296	Blank	
987 DERLCL13		Periodontal assessments: calculus score - lower 2nd molar, mesial	
	445	0 Absence of calculus	
	142	1 Supragingival calculus only	
	252	2 Supragingival and subgingival calculus or subgingival calculus only	
	461	9 Could not be assessed	
	1296	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
988 DERLCL14		Periodontal assessments: calculus score - lower 2nd molar, buccal	
	595	0 Absence of calculus	
	93	1 Supragingival calculus only	
	151	2 Supragingival and subgingival calculus or subgingival calculus only	
	461	9 Could not be assessed	
	1296	Blank	
		Free gingival margin (FGM)/ cemento-enamel junction (CEJ) POCKET DEPTH	
989-990 DERUMCJ1		Periodontal assessments: FGM/CEJ scores - upper central incisor, mesial (mm)	
	1000	-6-04	
	254	99 Could not be assessed	
	1342	Blank	
991-992 DERUMPC1		Periodontal assessments: probing pocket depth scores - upper central incisor, mesial (mm)	
	1000	00-10	
	254	99 Could not be assessed	
	1342	Blank	
993-994 DERUBCJ1		Periodontal assessments: FGM/CEJ scores - upper central incisor, buccal (mm)	
	1002	-4-03	
	252	99 Could not be assessed	
	1342	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
995-996 DERUBPC1		Periodontal assessments: probing pocket depth scores - upper central incisor, buccal (mm)	
	1002	00-11	
	252	99 Could not be assessed	
	1342	Blank	
997-998 DERUMCJ2		Periodontal assessments: FGM/CEJ: upper lateral incisor, mesial (mm)	
	1001	-5-04	
	253	99 Could not be assessed	
	1342	Blank	
999-1000 DERUMPC2		Periodontal assessments: probing pocket depth: upper lateral incisor, mesial (mm)	
	1001	00-10	
	253	99 Could not be assessed	
	1342	Blank	
1001-1002 DERUBCJ2		Periodontal assessments: FGM/CEJ: upper lateral incisor, buccal (mm)	
	1003	-5-03	
	251	99 Could not be assessed	
	1342	Blank	
1003-1004 DERUBPC2		Periodontal assessments: probing pocket depth: upper lateral incisor, buccal (mm)	
	1003	00-09	
	251	99 Could not be assessed	
	1342	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1005-1006 DERUMCJ3		Periodontal assessments: FGM/CEJ scores - upper cuspid, mesial (mm)	
	1046	-4-04	
	208	99 Could not be assessed	
	1342	Blank	
1007-1008 DERUMPC3		Periodontal assessments: probing pocket depth scores - upper cuspid, mesial (mm)	
	1046	00-12	
	208	99 Could not be assessed	
	1342	Blank	
1009-1010 DERUBCJ3		Periodontal assessments: FGM/CEJ scores - upper cuspid, buccal (mm)	
	1046	-7-02	
	208	99 Could not be assessed	
	1342	Blank	
1011-1012 DERUBPC3		Periodontal assessments: probing pocket depth scores - upper cuspid, buccal (mm)	
	1046	00-06	
	208	99 Could not be assessed	
	1342	Blank	
1013-1014 DERUMCJ4		Periodontal assessments: FGM/CEJ scores - upper 1st bicuspid, mesial (mm)	
	926	-3-04	
	328	99 Could not be assessed	
	1342	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1015-1016 DERUMPC4		Periodontal assessments: probing pocket depth scores - upper 1st bicuspid, mesial (mm)	
	926	00-07	
	328	99 Could not be assessed	
	1342	Blank	
1017-1018 DERUBCJ4		Periodontal assessments: FGM/CEJ scores - upper 1st bicuspid, buccal (mm)	
	928	-5-03	
	326	99 Could not be assessed	
	1342	Blank	
1019-1020 DERUBPC4		Periodontal assessments: probing pocket depth scores - upper 1st bicuspid, buccal (mm)	
	928	00-06	
	326	99 Could not be assessed	
	1342	Blank	
1021-1022 DERUMCJ5		Periodontal assessments: FGM/CEJ scores - upper 2nd bicuspid, mesial (mm)	
	903	-6-05	
	351	99 Could not be assessed	
	1342	Blank	
1023-1024 DERUMPC5		Periodontal assessments: probing pocket depth scores - upper 2nd bicuspid, mesial (mm)	
	903	00-08	
	351	99 Could not be assessed	
	1342	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1025-1026 DERUBCJ5		Periodontal assessments: FGM/CEJ scores - upper 2nd bicuspid, buccal (mm)	
	905	-5-03	
	349	99 Could not be assessed	
	1342	Blank	
1027-1028 DERUBPC5		Periodontal assessments: probing pocket depth scores - upper 2nd bicuspid, buccal (mm)	
	905	00-08	
	349	99 Could not be assessed	
	1342	Blank	
1029-1030 DERUMCJ6		Periodontal assessments: FGM/CEJ scores - upper 1st molar, mesial (mm)	
	840	-6-05	
	414	99 Could not be assessed	
	1342	Blank	
1031-1032 DERUMPC6		Periodontal assessments: probing pocket depth scores - upper 1st molar, mesial (mm)	
	840	00-08	
	414	99 Could not be assessed	
	1342	Blank	
1033-1034 DERUBCJ6		Periodontal assessments: FGM/CEJ scores - upper 1st molar, buccal (mm)	
	844	-9-03	
	410	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1035-1036 DERUBPC6		Periodontal assessments: probing pocket depth scores - upper 1st molar, buccal (mm)	
	844	00-05	
	410	99 Could not be assessed	
	1342	Blank	
1037-1038 DERUMCJ7		Periodontal assessments: FGM/CEJ scores - upper 2nd molar, mesial (mm)	
	892	-7-05	
	362	99 Could not be assessed	
	1342	Blank	
1039-1040 DERUMPC7		Periodontal assessments: probing pocket depth scores - upper 2nd molar, mesial (mm)	
	892	00-11	
	362	99 Could not be assessed	
	1342	Blank	
1041-1042 DERUBCJ7		Periodontal assessments: FGM/CEJ scores - upper 2nd molar, buccal (mm)	
	894	-9-04	
	360	99 Could not be assessed	
	1342	Blank	
1043-1044 DERUBPC7		Periodontal assessments: probing pocket depth scores - upper 2nd molar, buccal (mm)	
	894	00-08	
	360	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1045-1046 DERLMCJ1		Periodontal assessments: FGM/CEJ scores - lower central incisor, mesial (mm)	
	1062	-7-03	
	192	99 Could not be assessed	
	1342	Blank	
1047-1048 DERLMPC1		Periodontal assessments: probing pocket depth scores - lower central incisor, mesial (mm)	
	1062	00-12	
	192	99 Could not be assessed	
	1342	Blank	
1049-1050 DERLBCJ1		Periodontal assessments: FGM/CEJ scores - lower central incisor, buccal (mm)	
	1106	-6-02	
	148	99 Could not be assessed	
	1342	Blank	
1051-1052 DERLBPC1		Periodontal assessments: probing pocket depth scores - lower central incisor, buccal (mm)	
	1106	00-07	
	148	99 Could not be assessed	
	1342	Blank	
1053-1054 DERLMCJ2		Periodontal assessments: FGM/CEJ scores - lower lateral incisor, mesial (mm)	
	1113	-9-03	
	141	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1055-1056 DERLMPC2		Periodontal assessments: probing pocket depth scores - lower lateral incisor, mesial (mm)	
	1113	00-07	
	141	99 Could not be assessed	
	1342	Blank	
1057-1058 DERLBCJ2		Periodontal assessments: FGM/CEJ scores - lower lateral incisor, buccal (mm)	
	1118	-8-04	
	136	99 Could not be assessed	
	1342	Blank	
1059-1060 DERLBPC2		Periodontal assessments: probing pocket depth scores - lower lateral incisor, buccal (mm)	
	1118	00-06	
	136	99 Could not be assessed	
	1342	Blank	
1061-1062 DERLMCJ3		Periodontal assessments: FGM/CEJ scores - lower cuspid, mesial (mm)	
	1140	-8-04	
	114	99 Could not be assessed	
	1342	Blank	
1063-1064 DERLMPC3		Periodontal assessments: probing pocket depth scores - lower cuspid, mesial (mm)	
	1140	00-08	
	114	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1065-1066 DERLBCJ3		Periodontal assessments: FGM/CEJ scores - lower cuspid, buccal (mm)	
	1141	-8-03	
	113	99 Could not be assessed	
	1342	Blank	
1067-1068 DERLBPC3		Periodontal assessments: probing pocket depth scores - lower cuspid, buccal (mm)	
	1141	00-06	
	113	99 Could not be assessed	
	1342	Blank	
1069-1070 DERLMCJ4		Periodontal assessments: FGM/CEJ scores - lower 1st bicuspid, mesial (mm)	
	1062	-6-04	
	192	99 Could not be assessed	
	1342	Blank	
1071-1072 DERLMPC4		Periodontal assessments: probing pocket depth scores - lower 1st bicuspid, mesial (mm)	
	1062	00-08	
	192	99 Could not be assessed	
	1342	Blank	
1073-1074 DERLBCJ4		Periodontal assessments: FGM/CEJ scores - lower 1st bicuspid, buccal (mm)	
	1064	-8-02	
	190	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1075-1076 DERLBPC4		Periodontal assessments: probing pocket depth scores - lower 1st bicuspid, buccal (mm)	
	1064	00-11	
	190	99 Could not be assessed	
	1342	Blank	
1077-1078 DERLMCJ5		Periodontal assessments: FGM/CEJ scores - lower 2nd bicuspid, mesial (mm)	
	985	-6-04	
	269	99 Could not be assessed	
	1342	Blank	
1079-1080 DERLMPC5		Periodontal assessments: probing pocket depth scores - lower 2nd bicuspid, mesial (mm)	
	985	00-09	
	269	99 Could not be assessed	
	1342	Blank	
1081-1082 DERLBCJ5		Periodontal assessments: FGM/CEJ scores - lower 2nd bicuspid, buccal (mm)	
	997	-6-02	
	257	99 Could not be assessed	
	1342	Blank	
1083-1084 DERLBPC5		Periodontal assessments: probing pocket depth scores - lower 2nd bicuspid, buccal (mm)	
	997	00-07	
	257	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1085-1086 DERLMCJ6		Periodontal assessments: FGM/CEJ scores - lower 1st molar, mesial (mm)	
	756	-4-04	
	498	99 Could not be assessed	
	1342	Blank	
1087-1088 DERLMPC6		Periodontal assessments: probing pocket depth scores - lower 1st molar, mesial (mm)	
	756	00-08	
	498	99 Could not be assessed	
	1342	Blank	
1089-1090 DERLBCJ6		Periodontal assessments: FGM/CEJ scores - lower 1st molar, buccal (mm)	
	757	-9-02	
	497	99 Could not be assessed	
	1342	Blank	
1091-1092 DERLBPC6		Periodontal assessments: probing pocket depth scores - lower 1st molar, buccal (mm)	
	757	00-07	
	497	99 Could not be assessed	
	1342	Blank	
1093-1094 DERLMCJ7		Periodontal assessments: FGM/CEJ scores - lower 2nd molar, mesial (mm)	
	833	-6-04	
	421	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1095-1096 DERLMPC7		Periodontal assessments: probing pocket depth scores - lower 2nd molar, mesial (mm)	
	833	00-09	
	421	99 Could not be assessed	
	1342	Blank	
1097-1098 DERLBCJ7		Periodontal assessments: FGM/CEJ scores - lower 2nd molar, buccal (mm)	
	832	-8-03	
	422	99 Could not be assessed	
	1342	Blank	
1099-1100 DERLBPC7		Periodontal assessments: probing pocket depth scores - lower 2nd molar, buccal (mm)	
	832	00-07	
	422	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
LOSS OF ATTACHMENT			
1101-1102 DERUMLA1		Periodontal assessments: loss of attachment - upper central incisor, mesial (mm)	
	1000	00-13	
	254	99 Could not be assessed	
	1342	Blank	
1103-1104 DERUBLA1		Periodontal assessments: loss of attachment - upper central incisor, buccal (mm)	
	1002	00-10	
	252	99 Could not be assessed	
	1342	Blank	
1105-1106 DERUMLA2		Periodontal assessments: loss of attachment - upper lateral incisor, mesial (mm)	
	1001	00-11 Loss of attachment	
	253	99 Could not be assessed	
	1342	Blank	
1107-1108 DERUBLA2		Periodontal assessments: loss of attachment - upper lateral incisor, buccal (mm)	
	1003	00-09	
	251	99 Could not be assessed	
	1342	Blank	

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DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1109-1110 DERUMLA3		Periodontal assessments: loss of attachment - upper cuspid, mesial (mm)	
	1046	00-11	
	208	99 Could not be assessed	
	1342	Blank	
1111-1112 DERUBLA3		Periodontal assessments: loss of attachment - upper cuspid, buccal (mm)	
	1046	00-08	
	208	99 Could not be assessed	
	1342	Blank	
1113-1114 DERUMLA4		Periodontal assessments: loss of attachment - upper 1st bicuspid, mesial (mm)	
	926	00-07	
	328	99 Could not be assessed	
	1342	Blank	
1115-1116 DERUBLA4		Periodontal assessments: loss of attachment - upper 1st bicuspid, buccal (mm)	
	928	00-07	
	326	99 Could not be assessed	
	1342	Blank	
1117-1118 DERUMLA5		Periodontal assessments: loss of attachment - upper 2nd bicuspid, mesial (mm)	
	903	00-08	
	351	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1119-1120 DERUBLA5		Periodontal assessments: loss of attachment - upper 2nd bicuspid, buccal (mm)	
	905	00-09	
	349	99 Could not be assessed	
	1342	Blank	
1121-1122 DERUMLA6		Periodontal assessments: loss of attachment - upper 1st molar, mesial (mm)	
	840	00-10	
	414	99 Could not be assessed	
	1342	Blank	
1123-1124 DERUBLA6		Periodontal assessments: loss of attachment - upper 1st molar, buccal (mm)	
	844	00-12	
	410	99 Could not be assessed	
	1342	Blank	
1125-1126 DERUMLA7		Periodontal assessments: loss of attachment - upper 2nd molar, mesial (mm)	
	892	00-10	
	362	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

 DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1127-1128 DERUBLA7		Periodontal assessments: loss of attachment - upper 2nd molar, buccal (mm)	
	894	00-11	
	360	99 Could not be assessed	
	1342	Blank	
1129-1130 DERLMLA1		Periodontal assessments: loss of attachment - lower central incisor, mesial (mm)	
	1062	00-12	
	192	99 Could not be assessed	
	1342	Blank	
1131-1132 DERLBLA1		Periodontal assessments: loss of attachment - lower central incisor, buccal (mm)	
	1106	00-08	
	148	99 Could not be assessed	
	1342	Blank	
1133-1134 DERLMLA2		Periodontal assessments: loss of attachment - lower lateral incisor, mesial (mm)	
	1113	00-10	
	141	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1135-1136 DERLBLA2		Periodontal assessments: loss of attachment - lower lateral incisor, buccal (mm)	
	1118	00-09	
	136	99 Could not be assessed	
	1342	Blank	
1137-1138 DERLMLA3		Periodontal assessments: loss of attachment - lower cuspid, mesial (mm)	
	1140	00-10	
	114	99 Could not be assessed	
	1342	Blank	
1139-1140 DERLBLA3		Periodontal assessments: loss of attachment - lower cuspid, buccal (mm)	
	1141	00-10	
	113	99 Could not be assessed	
	1342	Blank	
1141-1142 DERLMLA4		Periodontal assessments: loss of attachment - lower 1st bicuspid, mesial (mm)	
	1062	00-09	
	192	99 Could not be assessed	
	1342	Blank	
1143-1144 DERLBLA4		Periodontal assessments: loss of attachment - lower 1st bicuspid, buccal (mm)	
	1064	00-10	
	190	99 Could not be assessed	
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1145-1146 DERLMLA5		Periodontal assessments: loss of attachment - lower 2nd bicuspid, mesial (mm)	
	985	00-11	
	269	99	Could not be assessed
	1342	Blank	
1147-1148 DERLBLA5		Periodontal assessments: loss of attachment - lower 2nd bicuspid, buccal (mm)	
	997	00-09	
	257	99	Could not be assessed
	1342	Blank	
1149-1150 DERLMLA6		Periodontal assessments: loss of attachment - lower 1st molar, mesial (mm)	
	756	00-07	
	498	99	Could not be assessed
	1342	Blank	
1151-1152 DERLBLA6		Periodontal assessments: loss of attachment - lower 1st molar, buccal (mm)	
	757	00-11	
	497	99	Could not be assessed
	1342	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1153-1154 DERLMLA7		Periodontal assessments: loss of attachment - lower 2nd molar, mesial (mm)	
	833	00-10	
	421	99 Could not be assessed	
	1342	Blank	
1155-1156 DERLBLA7		Periodontal assessments: loss of attachment - lower 2nd molar, buccal (mm)	
	832	00-10	
	422	99 Could not be assessed	
	1342	Blank	
		FURCATIONS	
1157 DERUB2MF		Periodontal assessments: furcations - upper 2nd bicuspid, mesial	
	924	0 No involvement, explorer cannot enter the furcation	
	2	1 Partial involvement, explorer cannot pass completely through the furcation	
	264	9 Could not be assessed	
	1406	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1158 DERUB2DF		Periodontal assessments: furcations - upper 2nd bicuspid, distal	
	924	0 No involvement, explorer cannot enter the furcation	
	2	1 Partial involvement, explorer cannot pass completely through the furcation	
	264	9 Could not be assessed	
	1406	Blank	
1159 DERUM1MF		Periodontal assessments: furcations - upper 1st molar, mesial	
	811	0 No involvement, explorer cannot enter the furcation	
	26	1 Partial involvement, explorer cannot pass completely through the furcation	
	3	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	349	9 Could not be assessed	
	1407	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1160 DERUM1BF		Periodontal assessments: furcations - upper 1st molar, buccal	
	815	0 No involvement, explorer cannot enter the furcation	
	25	1 Partial involvement, explorer cannot pass completely through the furcation	
	3	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	346	9 Could not be assessed	
	1407	Blank	
1161 DERUM1DF		Periodontal assessments: furcations - upper 1st molar, distal	
	809	0 No involvement, explorer cannot enter the furcation	
	30	1 Partial involvement, explorer cannot pass completely through the furcation	
	3	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	347	9 Could not be assessed	
	1407	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1162 DERUM2MF		Periodontal assessments: furcations - upper 2nd molar, mesial	
	863	0 No involvement, explorer cannot enter the furcation	
	29	1 Partial involvement, explorer cannot pass completely through the furcation	
	2	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	295	9 Could not be assessed	
	1407	Blank	
1163 DERUM2BF		Periodontal assessments: furcations - upper 2nd molar, buccal	
	850	0 No involvement, explorer cannot enter the furcation	
	45	1 Partial involvement, explorer cannot pass completely through the furcation	
	1	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	293	9 Could not be assessed	
	1407	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1164 DERUM2DF		Periodontal assessments: furcations - upper 2nd molar, distal	
	854	0 No involvement, explorer cannot enter the furcation	
	34	1 Partial involvement, explorer cannot pass completely through the furcation	
	2	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	299	9 Could not be assessed	
	1407	Blank	
1165 DERLM1LF		Periodontal assessments: furcations - lower 1st molar, lingual	
	723	0 No involvement, explorer cannot enter the furcation	
	26	1 Partial involvement, explorer cannot pass completely through the furcation	
	5	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	438	9 Could not be assessed	
	1404	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1166 DERLM1BF		Periodontal assessments: furcations - lower 1st molar, buccal	
	723	0 No involvement, explorer cannot enter the furcation	
	25	1 Partial involvement, explorer cannot pass completely through the furcation	
	5	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	438	9 Could not be assessed	
	1405	Blank	
1167 DERLM2LF		Periodontal assessments: furcations - lower 2nd molar, lingual	
	808	0 No involvement, explorer cannot enter the furcation	
	26	1 Partial involvement, explorer cannot pass completely through the furcation	
	1	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	353	9 Could not be assessed	
	1408	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

COMPLETION CODES AND SUMMARY VARIABLES

Positions SAS name	Counts	Item description and code	Notes
1168 DERLM2BF		Periodontal assessments: furcations - lower 2nd molar, buccal	
	802	0 No involvement, explorer cannot enter the furcation	
	30	1 Partial involvement, explorer cannot pass completely through the furcation	
	1	2 Complete involvement, explorer can pass between the roots through the entire furcation	
	355	9 Could not be assessed	
	1408	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1169 DERNUMLS		Oral soft tissue lesions: number of lesions	
	1643	0-4	
	953	Blank	
1170-1175 DERSTLC1		Oral soft tissue lesions: lesion 1 - locations	See note
	12	A Upper lip	
	95	AB-4LRHU Multiple locations	
	1	B Upper labial mucosa	
	53	C Lower lip	
	17	D Lower labial mucosa	
	1	E Commissure (right)	
	10	F Buccal mucosa (right)	
	4	G Commissure (left)	
	16	H Buccal mucosa (left)	
	1	I Vestibule (upper right)	
	10	J Gingiva (upper right)	
	2	K Vestibule (upper front)	
	15	L Gingiva (upper front)	
	5	N Gingiva (upper left)	
	2	O Vestibule (lower left)	
	15	P Gingiva (lower left)	
	6	Q Vestibule (lower front)	
	7	R Gingiva (lower front)	
	3	S Vestibule (lower right)	
	13	T Gingiva (lower right)	
	53	U Tongue/dorsum	
	3	V Dorsum (right lateral border)	
	2	W Dorsum (left lateral border)	
	6	X Floor of mouth	
	3	Y Tongue/ventral	
	2	2 Soft palate	
	1	3 Generalized area	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
	84	4 Hard palate	
	2154	Blank	
1176-1177 DERSTD1		Oral soft tissue lesions: lesion 1 - clinical diagnosis	See note
	3	11 Actinic keratosis	
	36	13 Amalgam tattoo	
	6	14 Angular cheilitis	
	2	15 Candidiasis	
	42	17 Cheek/lip bite	
	8	18 Denture hyperplasia	
	48	19 Denture stomatitis type 1-2	
	31	20 Denture stomatitis type 3	
	6	21 Denture ulcer	
	23	23 Frictional white lesion	
	2	25 Gingival hyperplasia	
	28	26 Herpes labialis	
	1	28 Leukoplakia homogeneous	
	1	30 Lichen planus	
	2	31 Mucocele	
	31	32 Nevus	
	3	33 Nicotinic stomatitis	
	10	34 Papillomas/warts	
	17	35 Recurrent aphthous ulcerations	
	1	36 Smokeless tobacco associated lesion: degree 1 (wrinkling of the mucosa)	
	6	37 Smokeless tobacco associated lesion: degree 2 (wrinkling with color change)	
	6	38 Smokeless tobacco associated lesion: degree 3 (wrinkling with color change, furrows, and thickening)	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
	13	39	Tongue fissured
	23	40	Tongue geographic
	4	41	Tongue hairy
	11	43	Tumor (non-specific)
	2	44	Ulcer (non-specific)
	11	45	Unknown
	15	46	Other
	4	47	Other - abscess
	15	48	Other - scar/surgical scar
	3	49	Other - burn
	2	50	Other - fibroma
	7	51	Other - hemangioma
	2	52	Other - trauma
	5	53	Other - denture inflammation
	1	54	Other - fistula
	7	55	Other - perio abscess
	2	56	Other - hematoma
	2	58	Other - blood vessel
	2154	Blank	
1178 DERSMRQ1		Oral soft tissue lesions: lesion 1 - smear required	
	89	1	Smear required
	353	2	Smear not required
	2154	Blank	
1179 DERSMTK1		Oral soft tissue lesions: lesion 1 - smear taken	
	31	1	Smear taken
	58	2	Smear not taken
	2507	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1180 DERYEAS1		Oral soft tissue lesions: lesion 1 - yeast result	
	28	0 Not found	
	3	1 Rare	
	58	8 Blank but applicable	
	2507	Blank	
1181 DERHYPH1		Oral soft tissue lesions: lesion 1 - hyphae result	
	28	0 Not found	
	2	1 Rare	
	1	2 Few	
	58	8 Blank but applicable	
	2507	Blank	
1182 DERCDRQ1		Oral soft tissue lesions: lesion 1 - clinical description required	
	28	1 Clinical description required	
	414	2 Clinical description not required	
	2154	Blank	
1183 DERSTXT1		Oral soft tissue lesions: lesion 1 - extent	
	19	1 Single	
	6	2 Multifocal	
	3	3 Generalized	
	2568	Blank	
1184-1185 DERSTLN1		Oral soft tissue lesions: lesion 1 - length, if width is coded; otherwise, diameter (mm)	
	28	00-45	
	2568	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1186-1187 DERSTWD1		Oral soft tissue lesions: lesion 1 - width, coded only if lesion is irregularly shaped, in which case length is also coded instead of diameter (mm)	
	28	00-40	
	2568	Blank	
1188-1189 DERSTHT1		Oral soft tissue lesions: lesion 1 - height (mm)	
	25	00-10	
	2571	Blank	
1190 DERSTMF1		Oral soft tissue lesions: lesion 1 - surface morphology	
	15	1 Elevated	
	3	2 Vesicle/bulla	
	7	3 Non-elevated	
	2	4 Ulcer	
	1	5 Other	
	2568	Blank	
1191-1192 DERSTCL1		Oral soft tissue lesions: lesion 1 - color	See note
	8	1 Normal	
	3	13-23 Multiple colors	
	12	2 White	
	4	3 Red	
	1	4 Blue	
	2568	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1193 DERSTCS1		Oral soft tissue lesions: lesion 1 - consistency	
	12	1 Soft	
	9	2 Firm	
	1	3 Fluid-filled	
	3	4 Not applicable	
	3	5 Other	
	2568	Blank	
1194 DERSTPN1		Oral soft tissue lesions: lesion 1 - pain	
	1	1 Yes	
	27	2 No	
	2568	Blank	
1195 DERSTPD1		Oral soft tissue lesions: lesion 1 - duration	
	3	1 Less than 1 week	
	1	3 1 month to less than 6 months	
	2	5 12 months to 2 years	
	6	6 Over 2 years	
	16	7 Don't know	
	2568	Blank	
1196 DERSTHS1		Oral soft tissue lesions: lesion 1 - prior history	
	7	1 Yes	
	5	2 No	
	15	3 Don't know	
	1	4 Not applicable	
	2568	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1197-1200 DERSTLC2		Oral soft tissue lesions: lesion 2 - locations	
	2	B Upper labial mucosa	
	3	C Lower lip	
	18	CD-42 Multiple locations	
	3	D Lower labial mucosa	
	1	F Buccal mucosa (right)	
	3	H Buccal mucosa (left)	
	1	J Gingiva (upper right)	
	4	K Vestibule (upper front)	
	3	L Gingiva (upper front)	
	1	O Vestibule (lower left)	
	3	P Gingiva (lower left)	
	2	Q Vestibule (lower front)	
	1	R Gingiva (lower front)	
	1	S Vestibule (lower right)	
	5	T Gingiva (lower right)	
	18	U Tongue/dorsum	
	1	V Dorsum (right lateral border)	
	1	2 Soft palate	
	18	4 Hard palate	
	2507	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1201-1202 DERSTD2		Oral soft tissue lesions: lesion 2 - clinical diagnosis	See note
	5	13 Amalgam tattoo	
	1	14 Angular cheilitis	
	3	17 Cheek/lip bite	
	8	18 Denture hyperplasia	
	12	19 Denture stomatitis type 1-2	
	6	20 Denture stomatitis type 3	
	8	23 Frictional white lesion	
	3	28 Leukoplakia homogeneous	
	2	32 Nevus	
	1	33 Nicotinic stomatitis	
	2	34 Papillomas/warts	
	2	35 Recurrent aphthous ulcerations	
	1	37 Smokeless tobacco associated lesion: degree 2 (wrinkling with color change)	
	5	39 Tongue fissured	
	6	40 Tongue geographic	
	2	41 Tongue hairy	
	1	42 Tongue median rhomboid glossitis	
	10	43 Tumor (non-specific)	
	1	45 Unknown	
	4	46 Other	
	2	48 Other - scar/surgical scar	
	3	55 Other - perio abscess	
	2508	Blank	
1203 DERSMR2		Oral soft tissue lesions: lesion 2 - smear required	
	23	1 Smear required	
	65	2 Smear not required	
	2508	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1204 DERSMTK2		Oral soft tissue lesions: lesion 2 - smear taken	
	13	1 Smear taken	
	10	2 Smear not taken	
	2573	Blank	
1205 DERYEAS2		Oral soft tissue lesions: lesion 2 - yeast result	
	13	0 Not found	
	10	8 Blank but applicable	
	2573	Blank	
1206 DERHYPH2		Oral soft tissue lesions: lesion 2 - hyphae result	
	13	0 Not found	
	10	8 Blank but applicable	
	2573	Blank	
1207 DERCDRQ2		Oral soft tissue lesions: lesion 2 - clinical description required	
	14	1 Clinical description required	
	74	2 Clinical description not required	
	2508	Blank	
1208 DERSTXT2		Oral soft tissue lesions: lesion 2 - extent	
	11	1 Single	
	2	2 Multifocal	
	1	3 Generalized	
	2582	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1209-1210 DERSTLN2		Oral soft tissue lesions: lesion 2 - length, if width is coded; otherwise, diameter (mm)	
	14	00-30	
	2582	Blank	
1211-1212 DERSTWD2		Oral soft tissue lesions: lesion 2 - width, coded only if lesion is irregularly shaped, in which case length is also coded instead of diameter (mm)	
	14	00-18	
	2582	Blank	
1213-1214 DERSTHT2		Oral soft tissue lesions: lesion 2 - height (mm)	
	14	00-20	
	2582	Blank	
1215 DERSTMF2		Oral soft tissue lesions: lesion 2 - surface morphology	
	12	1 Elevated	
	2	5 Other	
	2582	Blank	
1216-1217 DERSTCL2		Oral soft tissue lesions: lesion 2 - color	See note
	5	1 Normal	
	3	2 White	
	1	23 Multiple colors	
	3	3 Red	
	1	4 Blue	
	2583	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1218 DERSTCS2		Oral soft tissue lesions: lesion 2 - consistency	
	4	1 Soft	
	8	2 Firm	
	2	5 Other	
	2582	Blank	
1219 DERSTPN2		Oral soft tissue lesions: lesion 2 - pain	
	14	2 No	
	2582	Blank	
1220 DERSTPD2		Oral soft tissue lesions: lesion 2 - duration	
	1	2 1 week to less than 1 month	
	1	3 1 month to less than 6 months	
	1	4 6 months to less than 12 months	
	3	6 Over 2 years	
	8	7 Don't know	
	2582	Blank	
1221 DERSTHS2		Oral soft tissue lesions: lesion 2 - prior history	
	2	1 Yes	
	2	2 No	
	10	3 Don't know	
	2582	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1222-1225 DERSTLC3		Oral soft tissue lesions: lesion 3 - locations	See note
	1	C Lower lip	
	1	CD Multiple locations	
	1	F Buccal mucosa (right)	
	2	H Buccal mucosa (left)	
	1	JPRT Multiple locations	
	1	OFH Multiple locations	
	1	PRT Multiple locations	
	1	PT Multiple locations	
	1	R Gingiva (lower front)	
	4	U Tongue/dorsum	
	2	4 Hard palate	
	2580	Blank	
1226-1227 DERSTD3		Oral soft tissue lesions: lesion 3 - clinical diagnosis	See note
	1	19 Denture stomatitis type 1-2	
	1	20 Denture stomatitis type 3	
	1	23 Frictional white lesion	
	1	28 Leukoplakia homogeneous	
	1	29 Leukoplakia non-homogeneous	
	2	32 Nevus	
	2	34 Papillomas/warts	
	1	37 Smokeless tobacco associated lesion: degree 2 (wrinkling with color change)	
	1	39 Tongue fissured	
	2	40 Tongue geographic	
	1	45 Unknown	
	1	48 Other - scar/surgical scar	
	1	53 Other - denture inflammation	
	2580	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1228 DERSMRQ3		Oral soft tissue lesions: lesion 3 - smear required	
	4	1 Smear required	
	12	2 Smear not required	
	2580	Blank	
1229 DERSMTK3		Oral soft tissue lesions: lesion 3 - smear taken	
	3	1 Smear taken	
	1	2 Smear not taken	
	2592	Blank	
1230 DERYEAS3		Oral soft tissue lesions: lesion 3 - yeast result	
	2	0 Not found	
	1	1 Rare	
	1	8 Blank but applicable	
	2592	Blank	
1231 DERHYPH3		Oral soft tissue lesions: lesion 3 - hyphae result	
	3	0 Not found	
	1	8 Blank but applicable	
	2592	Blank	
1232 DERCDRQ3		Oral soft tissue lesions: lesion 3 - clinical description required	
	3	1 Clinical description required	
	13	2 Clinical description not required	
	2580	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1233 DERSTXT3		Oral soft tissue lesions: lesion 3 - extent	
	1	1 Single	
	2	3 Generalized	
	2593	Blank	
1234 DERSTLN3		Oral soft tissue lesions: lesion 3 - length, if width is coded; otherwise, diameter (mm)	
	3	0-1	
	2593	Blank	
1235 DERSTWD3		Oral soft tissue lesions: lesion 3 - width, coded only if lesion is irregularly shaped, in which case length is also coded instead of diameter (mm)	
	3	0-1	
	2593	Blank	
1236 DERSTHT3		Oral soft tissue lesions: lesion 3 - height (mm)	
	3	0-1	
	2593	Blank	
1237 DERSTMF3		Oral soft tissue lesions: lesion 3 - surface morphology	
	2	1 Elevated	
	1	5 Other	
	2593	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1238-1239 DERSTCL3		Oral soft tissue lesions: lesion 3 - color	See note
	1	2 White	
	2	23-6 Multiple colors	
	2593	Blank	
1240 DERSTCS3		Oral soft tissue lesions: lesion 3 - consistency	
	2	2 Firm	
	1	5 Other	
	2593	Blank	
1241 DERSTPN3		Oral soft tissue lesions: lesion 3 - pain	
	3	2 No	
	2593	Blank	
1242 DERSTPD3		Oral soft tissue lesions: lesion 3 - duration	
	3	7 Don't know	
	2593	Blank	
1243 DERSTHS3		Oral soft tissue lesions: lesion 3 - prior history	
	3	3 Don't know	
	2593	Blank	
1244-1249 DERSTLC4		Oral soft tissue lesions: lesion 4 - locations	See note
	1	JLNTRP Multiple locations	
	1	L Gingiva (upper front)	
	1	P Gingiva (lower left)	
	2593	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1250-1251 DERSTDX4		Oral soft tissue lesions: lesion 4 - clinical diagnosis	See note
	1	12 Acute necrotizing ulcerative gingivitis	
	1	28 Leukoplakia homogeneous	
	1	46 Other	
	2593	Blank	
1252 DERSMRQ4		Oral soft tissue lesions: lesion 4 - smear required	
	1	1 Smear required	
	2	2 Smear not required	
	2593	Blank	
1253 DERSMTK4		Oral soft tissue lesions: lesion 4 - smear taken	
	1	2 Smear not taken	
	2595	Blank	
1254 DERYEAS4		Oral soft tissue lesions: lesion 4 - yeast result	
	1	8 Blank but applicable	
	2595	Blank	
1255 DERHYPH4		Oral soft tissue lesions: lesion 4 - hyphae result	
	1	8 Blank but applicable	
	2595	Blank	

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DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1256 DERCDRQ4		Oral soft tissue lesions: lesion 4 - clinical description required	
	1	1 Clinical description required	
	2	2 Clinical description not required	
	2593	Blank	
1257 DERSTXT4		Oral soft tissue lesions: lesion 4 - extent	
	1	1 Single	
	2595	Blank	
1258 DERSTLN4		Oral soft tissue lesions: lesion 4 - length, if width is coded; otherwise, diameter (mm)	
	1	8 Blank but applicable	
	2595	Blank	
1259 DERSTWD4		Oral soft tissue lesions: lesion 4 - width, coded only if lesion is irregularly shaped, in which case length is also coded instead of diameter (mm)	
	1	3	
	2595	Blank	
1260 DERSTHT4		Oral soft tissue lesions: lesion 4 - height (mm)	
	1	0 None/never	
	2595	Blank	
1261 DERSTMF4		Oral soft tissue lesions: lesion 4 - surface morphology	
	1	3 Non-elevated	
	2595	Blank	

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DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1262 DERSTCL4	1 2595	Oral soft tissue lesions: lesion 4 - color 2 White Blank	See note
1263 DERSTCS4	1 2595	Oral soft tissue lesions: lesion 4 - consistency 1 Soft Blank	
1264 DERSTPN4	1 2595	Oral soft tissue lesions: lesion 4 - pain 2 No Blank	
1265 DERSTPD4	1 2595	Oral soft tissue lesions: lesion 4 - duration 7 Don't know Blank	
1266 DERSTHS4	1 2595	Oral soft tissue lesions: lesion 4 - prior history 3 Don't know Blank	
1267 DERSTXT6	2596	Oral soft tissue lesions: lesion 6 - extent Blank	
1268 DERSTLN6	2596	Oral soft tissue lesions: lesion 6 - length, if width is coded; otherwise, diameter (mm) Blank	

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DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions SAS name	Counts	Item description and code	Notes
1269 DERSTWD6	2596	Oral soft tissue lesions: lesion 6 - width, coded only if lesion is irregularly shaped, in which case length is also coded instead of diameter (mm) Blank	
1270 DERSTHT6	2596	Oral soft tissue lesions: lesion 6 - height (mm) Blank	
1271 DERSTMF6	2596	Oral soft tissue lesions: lesion 6 - surface morphology Blank	
1272 DERSTCL6	2596	Oral soft tissue lesions: lesion 6 - color Blank	
1273 DERSTCS6	2596	Oral soft tissue lesions: lesion 6 - consistency Blank	
1274 DERSTPN6	2596	Oral soft tissue lesions: lesion 6 - pain Blank	
1275 DERSTPD6	2596	Oral soft tissue lesions: lesion 6 - duration Blank	
1276 DERSTHS6	2596	Oral soft tissue lesions: lesion 6 - prior history Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

ORAL SOFT TISSUE LESIONS

Positions		Item description	
SAS name	Counts	and code	Notes
1277		Oral soft tissue lesions: lesion 6 -	
DERSTOT6		other	
	2596	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1278 DERRTC1		Restorations and tooth condition: upper left central incisor	
	934	0 No treatment needed	
	7	1 Defective margin or restoration	
	3	2 Missing, partly missing, loose, fractured or temporary restoration	
	5	3 Recurrent decay on intra-coronal restoration	
	2	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	3	7 Pulpal involvement evident	
	5	8 Retained root(s) evident	
	200	9 Could not be assessed	
	1437	Blank	
1279 DERRTC2		Restorations and tooth condition: upper left lateral incisor	
	935	0 No treatment needed	
	3	1 Defective margin or restoration	
	1	2 Missing, partly missing, loose, fractured or temporary restoration	
	8	3 Recurrent decay on intra-coronal restoration	
	3	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	6	7 Pulpal involvement evident	
	4	8 Retained root(s) evident	
	199	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1280 DERRTC3		Restorations and tooth condition: upper left cuspid	
	950	0 No treatment needed	
	4	1 Defective margin or restoration	
	6	2 Missing, partly missing, loose, fractured or temporary restoration	
	2	3 Recurrent decay on intra-coronal restoration	
	1	4 Recurrent decay on a crown	
	4	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	5	7 Pulpal involvement evident	
	8	8 Retained root(s) evident	
	179	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1281 DERRTC4		Restorations and tooth condition: upper left 1st bicuspid	
	822	0 No treatment needed	
	14	1 Defective margin or restoration	
	8	2 Missing, partly missing, loose, fractured or temporary restoration	
	9	3 Recurrent decay on intra-coronal restoration	
	3	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	3	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	4	7 Pulpal involvement evident	
	15	8 Retained root(s) evident	
	281	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1282 DERRTC5		Restorations and tooth condition: upper left 2nd bicuspid	
	805	0 No treatment needed	
	18	1 Defective margin or restoration	
	14	2 Missing, partly missing, loose, fractured or temporary restoration	
	4	3 Recurrent decay on intra-coronal restoration	
	3	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	2	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	5	7 Pulpal involvement evident	
	10	8 Retained root(s) evident	
	298	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1283 DERRTC6		Restorations and tooth condition: upper left 1st molar	
	716	0 No treatment needed	
	27	1 Defective margin or restoration	
	19	2 Missing, partly missing, loose, fractured or temporary restoration	
	2	3 Recurrent decay on intra-coronal restoration	
	3	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	4	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	6	7 Pulpal involvement evident	
	11	8 Retained root(s) evident	
	371	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1284 DERRTC7		Restorations and tooth condition: upper left 2nd molar	
	782	0 No treatment needed	
	17	1 Defective margin or restoration	
	12	2 Missing, partly missing, loose, fractured or temporary restoration	
	4	3 Recurrent decay on intra-coronal restoration	
	4	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	1	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	7	7 Pulpal involvement evident	
	6	8 Retained root(s) evident	
	326	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1285 DERRTC8		Restorations and tooth condition: upper right central incisor	
	939	0 No treatment needed	
	1	2 Missing, partly missing, loose, fractured or temporary restoration	
	5	3 Recurrent decay on intra-coronal restoration	
	6	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	4	7 Pulpal involvement evident	
	6	8 Retained root(s) evident	
	198	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1286 DERRTC9		Restorations and tooth condition: upper right lateral incisor	
	926	0 No treatment needed	
	6	2 Missing, partly missing, loose, fractured or temporary restoration	
	6	3 Recurrent decay on intra-coronal restoration	
	2	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	1	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	5	7 Pulpal involvement evident	
	7	8 Retained root(s) evident	
	206	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1287 DERRTC10		Restorations and tooth condition: upper right cuspid	
	965	0 No treatment needed	
	1	1 Defective margin or restoration	
	3	2 Missing, partly missing, loose, fractured or temporary restoration	
	3	3 Recurrent decay on intra-coronal restoration	
	2	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	7	7 Pulpal involvement evident	
	5	8 Retained root(s) evident	
	173	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1288 DERRTC11		Restorations and tooth condition: upper right 1st bicuspid	
	846	0 No treatment needed	
	10	1 Defective margin or restoration	
	7	2 Missing, partly missing, loose, fractured or temporary restoration	
	3	3 Recurrent decay on intra-coronal restoration	
	5	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	1	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	9	7 Pulpal involvement evident	
	10	8 Retained root(s) evident	
	268	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1289 DERRTC12		Restorations and tooth condition: upper right 2nd bicuspid	
	816	0 No treatment needed	
	18	1 Defective margin or restoration	
	13	2 Missing, partly missing, loose, fractured or temporary restoration	
	7	3 Recurrent decay on intra-coronal restoration	
	4	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	2	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	6	7 Pulpal involvement evident	
	14	8 Retained root(s) evident	
	279	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1290 DERRTC13		Restorations and tooth condition: upper right 1st molar	
	730	0 No treatment needed	
	21	1 Defective margin or restoration	
	17	2 Missing, partly missing, loose, fractured or temporary restoration	
	7	3 Recurrent decay on intra-coronal restoration	
	3	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns, or bridge	
	5	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	10	7 Pulpal involvement evident	
	7	8 Retained root(s) evident	
	359	9 Could not be assessed	
	1437	Blank	

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SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1291 DERRTC14		Restorations and tooth condition: upper right 2nd molar	
	788	0 No treatment needed	
	16	1 Defective margin or restoration	
	8	2 Missing, partly missing, loose, fractured or temporary restoration	
	6	3 Recurrent decay on intra-coronal restoration	
	3	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	1	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	7	7 Pulpal involvement evident	
	15	8 Retained root(s) evident	
	315	9 Could not be assessed	
	1437	Blank	
1292 DERRTC15		Restorations and tooth condition: lower left central incisor	
	1054	0 No treatment needed	
	1	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	1	8 Retained root(s) evident	
	103	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1293 DERRTC16		Restorations and tooth condition: lower left lateral incisor	
	1051	0 No treatment needed	
	1	3 Recurrent decay on intra-coronal restoration	
	1	8 Retained root(s) evident	
	106	9 Could not be assessed	
	1437	Blank	
1294 DERRTC17		Restorations and tooth condition: lower left cuspid	
	1068	0 No treatment needed	
	3	1 Defective margin or restoration	
	2	2 Missing, partly missing, loose, fractured or temporary restoration	
	2	3 Recurrent decay on intra-coronal restoration	
	3	7 Pulpal involvement evident	
	3	8 Retained roots evident	
	78	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1295 DERRTC18		Restorations and tooth condition: lower left 1st bicuspid	
	983	0 No treatment needed	
	5	1 Defective margin or restoration	
	5	2 Missing, partly missing, loose, fractured or temporary restoration	
	4	3 Recurrent decay on intra-coronal restoration	
	2	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	1	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	2	7 Pulpal involvement evident	
	6	8 Retained root(s) evident	
	151	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1296 DERRTC19		Restorations and tooth condition: lower left 2nd bicuspid	
	926	0 No treatment needed	
	8	1 Defective margin or restoration	
	4	2 Missing, partly missing, loose, fractured or temporary restoration	
	2	3 Recurrent decay on intra-coronal restoration	
	1	4 Recurrent decay on a crown	
	2	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	1	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	3	7 Pulpal involvement evident	
	8	8 Retained root(s) evident	
	204	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1297 DERRTC20		Restorations and tooth condition: lower left 1st molar	
	635	0 No treatment needed	
	13	1 Defective margin or restoration	
	21	2 Missing, partly missing, loose, fractured or temporary restoration	
	7	3 Recurrent decay on intra-coronal restoration	
	6	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	12	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	6	7 Pulpal involvement evident	
	12	8 Retained root(s) evident	
	447	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1298 DERRTC21		Restorations and tooth condition: lower left 2nd molar	
	719	0 No treatment needed	
	10	1 Defective margin or restoration	
	15	2 Missing, partly missing, loose, fractured or temporary restoration	
	9	3 Recurrent decay on intra-coronal restoration	
	4	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	9	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	7	7 Pulpal involvement evident	
	5	8 Retained root(s) evident	
	381	9 Could not be assessed	
	1437	Blank	
1299 DERRTC22		Restorations and tooth condition: lower right central incisor	
	1046	0 No treatment needed	
	3	1 Defective margin or restoration	
	1	2 Missing, partly missing, loose, fractured or temporary restoration	
	1	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	1	7 Pulpal involvement evident	
	107	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1300 DERRTC23		Restorations and tooth condition: lower right lateral incisor	
	1056	0 No treatment needed	
	1	2 Missing, partly missing, loose, fractured or temporary restoration	
	1	3 Recurrent decay on intra-coronal restoration	
	101	9 Could not be assessed	
	1437	Blank	
1301 DERRTC24		Restorations and tooth condition: lower right cuspid	
	1079	0 No treatment needed	
	3	3 Recurrent decay on intra-coronal restoration	
	1	4 Recurrent decay on a crown	
	3	7 Pulpal involvement evident	
	1	8 Retained root(s) evident	
	72	9 Could not be assessed	
	1437	Blank	
1302 DERRTC25		Restorations and tooth condition: lower right 1st bicuspid	
	982	0 No treatment needed	
	2	1 Defective margin or restoration	
	5	2 Missing, partly missing, loose, fractured or temporary restoration	
	3	3 Recurrent decay on intra-coronal restoration	
	8	7 Pulpal involvement evident	
	4	8 Retained root(s) evident	
	155	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1303 DERRTC26		Restorations and tooth condition: lower right 2nd bicuspid	
	901	0 No treatment needed	
	7	1 Defective margin or restoration	
	10	2 Missing, partly missing, loose, fractured or temporary restoration	
	3	3 Recurrent decay on intra-coronal restoration	
	1	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	2	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	10	7 Pulpal involvement evident	
	6	8 Retained root(s) evident	
	219	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1304 DERRTC27		Restorations and tooth condition: lower right 1st molar	
	634	0 No treatment needed	
	20	1 Defective margin or restoration	
	18	2 Missing, partly missing, loose, fractured or temporary restoration	
	11	3 Recurrent decay on intra-coronal restoration	
	4	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	6	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	10	7 Pulpal involvement evident	
	7	8 Retained root(s) evident	
	449	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

RESTORATIONS AND TOOTH CONDITIONS

Positions SAS name	Counts	Item description and code	Notes
1305 DERRTC28		Restorations and tooth condition: lower right 2nd molar	
	710	0 No treatment needed	
	20	1 Defective margin or restoration	
	17	2 Missing, partly missing, loose, fractured or temporary restoration	
	8	3 Recurrent decay on intra-coronal restoration	
	1	5 Missing, loose or temporary crowns or bridges, broken connector and/or missing veneer material on posterior crowns or bridge	
	6	6 Fracture of tooth structure associated with a restoration, crown, or bridge	
	8	7 Pulpal involvement evident	
	9	8 Retained root(s) evident	
	380	9 Could not be assessed	
	1437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

TRAUMA

Positions SAS name	Counts	Item description and code	Notes
1306 DERUTRA1	835	Trauma: upper left central incisor 0 No traumatic injury	
	61	1 Untreated enamel fracture not involving dentine	
	27	2 Unrestored fracture involving dentine	
	6	3 Untreated injury evidenced by dark discoloration, swelling and/or fistula	
	27	4 Restored fracture	
	3	5 Endodontic therapy following traumatic injury	
	24	6 Tooth missing due to trauma	
	104	9 Could not be assessed	
	1509	Blank	
1307 DERUTRA2	901	Trauma: upper left lateral incisor 0 No traumatic injury	
	18	1 Untreated enamel fracture not involving dentine	
	5	2 Unrestored fracture involving dentine	
	2	3 Untreated injury evidenced by dark discoloration, swelling and/or fistula	
	4	4 Restored fracture	
	11	6 Tooth missing due to trauma	
	146	9 Could not be assessed	
	1509	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

TRAUMA

Positions SAS name	Counts	Item description and code	Notes
1308 DERUTRA3	828	Trauma: upper right central incisor 0 No traumatic injury	
	72	1 Untreated enamel fracture not involving dentine	
	26	2 Unrestored fracture involving dentine	
	11	3 Untreated injury evidenced by dark discoloration, swelling and/or fistula	
	25	4 Restored fracture	
	4	5 Endodontic therapy following traumatic injury	
	25	6 Tooth missing due to trauma	
	96	9 Could not be assessed	
	1509	Blank	
1309 DERUTRA4	906	Trauma: upper right lateral incisor 0 No traumatic injury	
	14	1 Untreated enamel fracture not involving dentine	
	6	2 Unrestored fracture involving dentine	
	1	3 Untreated injury evidenced by dark discoloration, swelling and/or fistula	
	4	4 Restored fracture	
	9	6 Tooth missing due to trauma	
	147	9 Could not be assessed	
	1509	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

TRAUMA

Positions SAS name	Counts	Item description and code	Notes
1310 DERLTRA1	1031	Trauma: lower left central incisor 0 No traumatic injury	
	9	1 Untreated enamel fracture not involving dentine	
	11	2 Unrestored fracture involving dentine	
	1	3 Untreated injury evidenced by dark discoloration, swelling and/or fistula	
	2	4 Restored fracture	
	6	6 Tooth missing due to trauma	
	27	9 Could not be assessed	
	1509	Blank	
1311 DERLTRA2	1014	Trauma: lower left lateral incisor 0 No traumatic injury	
	7	1 Untreated enamel fracture not involving dentine	
	2	2 Unrestored fracture involving dentine	
	1	4 Restored fracture	
	3	6 Tooth missing due to trauma	
	60	9 Could not be assessed	
	1509	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

TRAUMA

Positions SAS name	Counts	Item description and code	Notes
1312 DERLTRA3	1028	Trauma: lower right central incisor 0 No traumatic injury	
	11	1 Untreated enamel fracture not involving dentine	
	8	2 Unrestored fracture involving dentine	
	1	3 Untreated injury evidenced by dark discoloration, swelling and/or fistula	
	5	4 Restored fracture	
	5	6 Tooth missing due to trauma	
	29	9 Could not be assessed	
	1509	Blank	
1313 DERLTRA4	1009	Trauma: lower right lateral incisor 0 No traumatic injury	
	8	1 Untreated enamel fracture not involving dentine	
	5	2 Unrestored fracture involving dentine	
	2	4 Restored fracture	
	3	6 Tooth missing due to trauma	
	60	9 Could not be assessed	
	1509	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

OCCLUSAL CHARACTERISTICS

Positions SAS name	Counts	Item description and code	Notes
1314-1315 DERUAL1		Occlusal characteristics: incisor alignment - upper right canine to lateral (mm)	
	812	00-09	
	215	99 Could not be assessed	
	1569	Blank	
1316-1317 DERUAL2		Occlusal characteristics: incisor alignment - upper right lateral to central (mm)	
	870	00-09	
	157	99 Could not be assessed	
	1569	Blank	
1318-1319 DERUAL3		Occlusal characteristics: incisor alignment - upper right central to left central (mm)	
	876	00-05	
	151	99 Could not be assessed	
	1569	Blank	
1320-1321 DERUAL4		Occlusal characteristics: incisor alignment - upper left central to left lateral (mm)	
	869	00-07	
	158	99 Could not be assessed	
	1569	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

OCCLUSAL CHARACTERISTICS

Positions SAS name	Counts	Item description and code	Notes
1322-1323 DERUAL5		Occlusal characteristics: incisor alignment - upper left lateral to left canine (mm)	
	805	00-09	
	222	99 Could not be assessed	
	1569	Blank	
1324-1325 DERLAL1		Occlusal characteristics: incisor alignment - lower left canine to left lateral (mm)	
	919	00-07	
	108	99 Could not be assessed	
	1569	Blank	
1326-1327 DERLAL2		Occlusal characteristics: incisor alignment - lower left lateral to left central (mm)	
	993	00-04	
	34	99 Could not be assessed	
	1569	Blank	
1328-1329 DERLAL3		Occlusal characteristics: incisor alignment - lower left central to right central (mm)	
	990	00-05	
	37	99 Could not be assessed	
	1569	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

OCCLUSAL CHARACTERISTICS

Positions SAS name	Counts	Item description and code	Notes
1330-1331 DERLAL4		Occlusal characteristics: incisor alignment - lower right central to right lateral (mm)	
	986	00-04	
	41	99 Could not be assessed	
	1569	Blank	
1332-1333 DERLAL5		Occlusal characteristics: incisor alignment - lower right lateral to right canine (mm)	
	924	00-07	
	102	99 Could not be assessed	
	1570	Blank	
1334 DERDIAS		Occlusal characteristics: maxillary - diastema	
	772	0 No diastema	
	108	1 Diastema greater than or equal to 2 mm	
	147	9 Could not be assessed	
	1569	Blank	
1335 DERXBITE		Occlusal characteristics: posterior - cross bite	
	598	0 No posterior crossbite	
	64	1 Posterior crossbite	
	365	9 Could not be assessed	
	1569	Blank	
1336-1337 DEROVJET		Occlusal characteristics: overjet (mm)	
	909	-3-12	
	118	99 Could not be assessed	
	1569	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

OCCLUSAL CHARACTERISTICS

Positions SAS name	Counts	Item description and code	Notes
1338-1339		Occlusal characteristics: openbite (mm)	
DEROPB	45	00-06	
	973	99	Could not be assessed
	1578	Blank	
1340-1341		Occlusal characteristics: overbite (mm)	
DEROVb	906	00-10	
	121	99	Could not be assessed
	1569	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

DENTURE QUESTIONNAIRE

Positions SAS name	Counts	Item description and code	Notes
1342 DERDQU1		Denture questionnaire: Do you usually wear your upper denture plate?	
	103	1 All the time	
	56	2 Only when awake	
	13	3 Only occasionally	
	8	4 Do not wear them	
	2416	Blank	
1343 DERDQU2		Denture questionnaire: During the past year, have you had problems with your upper denture(s) plate?	
	36	1 Yes	
	144	2 No	
	2416	Blank	
1344 DERDQU3		Denture questionnaire: Do you think that you need (a) new upper jaw denture(s) plate or that the one you have needs refitting?	
	80	1 Yes	
	100	2 No	
	2416	Blank	
1345 DERDQU4		Denture questionnaire: How long has it been since you had any natural teeth to chew with in your upper jaw?	
	9	1 Less than one year	
	25	2 1 to less than 5 years	
	25	3 5 to less than 10 years	
	45	4 10 to less than 20 years	
	90	5 20 or more years	
	2402	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

DENTURE QUESTIONNAIRE

Positions SAS name	Counts	Item description and code	Notes
1346 DERDQL1		Denture questionnaire: Do you usually wear your lower denture(s) plate?	
	51	1 All the time	
	39	2 Only when awake	
	9	3 Only occasionally	
	8	4 Do not wear them	
	2489	Blank	
1347 DERDQL2		Denture questionnaire: During the past year, have you had problems with your lower denture(s) plate?	
	38	1 Yes	
	69	2 No	
	2489	Blank	
1348 DERDQL3		Denture questionnaire: Do you think that you need (a) new lower jaw denture(s) plate or that the one you have needs refitting?	
	58	1 Yes	
	49	2 No	
	2489	Blank	
1349 DERDQL4		Denture questionnaire: How long has it been since you had any natural teeth to chew with in your lower jaw?	
	5	1 Less than one year	
	16	2 1 to less than 5 years	
	16	3 5 to less than 10 years	
	24	4 10 to less than 20 years	
	58	5 20 or more years	
	2477	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

PROSTHESIS ASSESSMENT

Positions SAS name	Counts	Item description and code	Notes
1350 DERUPTYP		Prosthesis assessment: upper denture - type	
	166	1 Full denture	
	78	2 Partial denture	
	45	3 Unable to evaluate	
	2307	Blank	
1351 DERUPAI		Prosthesis assessment: upper denture - integrity	
	204	0 Criteria are not met	
	40	1 Criteria are met	
	2352	Blank	
1352 DERUPAW		Prosthesis assessment: upper denture - excessive tooth wear	
	192	0 Criteria are not met	
	52	1 Criteria are met	
	2352	Blank	
1353 DERUPARL		Prosthesis assessment: upper denture - reline material, conditioner or denture adhesive	
	218	0 Criteria are not met	
	26	1 Criteria are met	
	2352	Blank	
1354 DERUPAS		Prosthesis assessment: upper denture - stability	
	150	0 Criteria are not met	
	94	1 Criteria are met	
	2352	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

PROSTHESIS ASSESSMENT

Positions SAS name	Counts	Item description and code	Notes
1355 DERUPART		Prosthesis assessment: upper denture - retention	
	206	0 Criteria are not met	
	38	1 Criteria are met	
	2352	Blank	
1356 DERLPTYP		Prosthesis assessment: lower denture - type	
	95	1 Full denture	
	79	2 Partial denture	
	53	3 Unable to evaluate	
	2369	Blank	
1357 DERLPAI		Prosthesis assessment: lower denture - integrity	
	151	0 Criteria are not met	
	23	1 Criteria are met	
	2422	Blank	
1358 DERLPAW		Prosthesis assessment: lower denture - excessive tooth wear	
	135	0 Criteria are not met	
	39	1 Criteria are met	
	2422	Blank	
1359 DERLPARL		Prosthesis assessment: lower denture - reline material, conditioner or denture adhesive	
	159	0 Criteria are not met	
	15	1 Criteria are met	
	2422	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

DENTAL EXAMINATION

PROSTHESIS ASSESSMENT

Positions SAS name	Counts	Item description and code	Notes
1360 DERLPAS		Prosthesis assessment: lower denture - stability	
	85	0 Criteria are not met	
	89	1 Criteria are met	
	2422	Blank	
1361 DERLPART		Prosthesis assessment: lower denture - retention	
	86	0 Criteria are not met	
	87	1 Criteria are met	
	2423	Blank	

NOTES

DERCCFLG: Completion code: coronal caries

This variable was constructed to help the analyst decide whether or not to include an examinee with incomplete or missing data on the coronal caries component in the analysis of that component. Examinees who have no valid or useful data have a completion code of "3 Not assessed."

DERCJFLG, DERCLFLG, DERGNFLG, DERLAFLG, DERPCFLG: Completion codes

These variables were constructed to help the analyst decide whether or not to include an examinee with incomplete or missing data on the periodontal component in the analysis of that component. For examinees who were medically excluded from periodontal components or who were not in the age range to receive these assessments, the periodontal component data and the completion code are blank. Examinees who were completely edentulous or who otherwise have no valid or useful data have a completion code of "3 Not assessed."

DERCLFLG: Completion code: calculus

See note for DERCJFLG.

DERDQFLG: Completion code: denture questionnaire

This variable was constructed to help the analyst decide whether or not to include an examinee with incomplete or missing data on the denture questionnaire in the analysis of that component. For examinees who were not in the age range to receive these assessments, the denture questionnaire data and the completion code are blank.

DERGNFLG: Completion code: gingival bleeding

See note for DERCJFLG.

DERLAFLG: Completion code: loss of attachment

See note for DERCJFLG.

DERLQUAD and DERUQUAD: Upper and lower quadrant periodontal assessment indicators

The right and left upper and lower quadrant indicators for the periodontal components were generated by the direct data entry computer program at the beginning of the examination. Therefore, indicators may be present for examinees who did not have measurements or who were edentulous. Note that because the value for the periodontal component is blank, while the quadrant

indicators remained set, there will be a discrepancy between these counts.

DEROVb: Occlusal characteristics: overbite (mm)

Overbite was calculated by subtraction of overlap from crown height. The exact measurement process is fully described in the Oral Examination Component manual (U.S. DHHS, 1996b).

DERPCFLG: Completion code: pocket assessment

See note for DERCJFLG.

DERRCFLG: Completion code: restorations and tooth conditions

This variable was constructed to help the analyst decide whether or not to include an examinee with incomplete or missing data on the restorations and tooth conditions component in the analysis of that component. For examinees who were not in the age range to receive these assessments, the restoration and tooth conditions data and the completion code are blank. Examinees who were completely edentulous or who otherwise have no valid or useful data have a completion code of "3 Not assessed."

DERRSFLG: Completion code: root caries

This variable was constructed to help the analyst decide whether or not to include an examinee with incomplete or missing data on the root caries component in the analysis of that component. For examinees who were medically excluded from the root caries component or who were not in the age range to receive the assessment, the component data and the completion code are blank. Examinees who were completely edentulous or who otherwise have no valid or useful data have a completion code of "3 Not assessed."

DERSE1-DERSE28: Sealants

The code "2 Not eligible for sealants" was used 1) for certain teeth not shaped to hold preventive sealants and 2) for missing, crowned, or filled teeth.

DERSTCL1, DERSTCL2, DERSTCL3, DERSTCL4, DERSTCL5, DERSTCL6:

Oral soft tissue lesions: color

More than one color could be indicated for each lesion. Each color is a single digit, so multiple digits indicate combinations of colors. To determine what specific colors were present, one must separate character strings into their single characters.

DERSTDY1, DERSTDY2, DERSTDY3, DERSTDY4, DERSTDY5, DERSTDY6:

Oral soft tissue lesions: clinical diagnosis

The "unknown" code represents a specific diagnosis of a lesion that did not fit into any of the named categories. A lesion of "unknown" diagnosis required a clinical description. The "other" codes (46 to 59) include identifiable lesions that were different from soft tissue lesions of interest. During the examination, the dentist wrote in a diagnosis for lesions designated as "other." During data processing the 13 most frequently observed written-in conditions were grouped and coded separately (codes 47-59); the remaining rarer conditions were retained in code 46.

DERSTLC1, DERSTLC2, DERSTLC3, DERSTLC4, DERSTLC5, DERSTLC6:

Oral soft tissue lesions: locations

More than one location could be indicated for each clinical diagnosis. Multiple locations are shown as combined letters and numbers. To determine what specific locations were affected, one must separate character strings into their single characters.

DERTRFLG: Completion code: traumatic injuries

This variable was constructed to help the analyst decide whether or not to include an examinee with incomplete or missing data on the traumatic injuries component in the analysis of that component. For examinees who were not in the age range to receive these assessments, the traumatic injuries data and the completion code are blank. Examinees who were completely edentulous or who otherwise have no valid or useful data have a completion code of "3 Not assessed."

DERUQUAD: Upper quadrant periodontal assessment indicator

See note for DERLQUAD.

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ALLERGY SKIN TEST

Allergy skin reactivity testing was conducted on all examinees aged 6-19 years and on a random half-sample of examinees aged 20-59 years by a trained examiner in the mobile examination center (MEC).

Before skin testing, screening questions were asked to determine medical safety exclusions. Those excluded from testing were examinees who: usually did not have trouble breathing in their chest or lungs but who were having trouble breathing at the time of the examination (this trouble was NOT due to nasal congestion from a cold), usually had trouble breathing in their chest or lungs and had more trouble breathing at the time of the exam, had a severe response to allergen skin testing previously, or had severe eczema or infection on both arms.

Because this examination was administered to a selected subsample in the examination center, the allergy sample weight (WTPFALG6) should be used for data analysis. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

The allergy skin test consisted of the evaluation of immediate hypersensitivity reactions to any of 10 licensed, commercially available, FDA-approved, standardized allergens as well as positive and negative controls. The extracts were indoor allergens (Dermatophagoides farinae (house mite), cat, German cockroach), outdoor allergens (short ragweed, perennial rye, Alternaria alternata, Bermuda grass, Russian thistle, white oak), and a food allergen (peanut). The positive control was histamine, and the negative control was the glycerinated diluent. Examiners prepared fresh allergen solutions upon arrival at each MEC site.

Hypersensitivity reactions were evaluated after administering the allergens on an examinee's forearms. Allergens were applied using the prick-puncture technique at 12 skin sites (one for each allergen and the positive and negative controls) determined by a clear, plastic template. The flare and wheal areas were delineated with a marking pen 15 minutes after the skin was punctured and the allergens were applied.

The length and width of the flare and wheal were measured with a 100-mm flexible, clear, plastic ruler. Length was defined as the longest diameter of the reaction, and width was defined as the diameter perpendicular to the length at its midpoint. If a reaction had any dimension 3 mm or greater, all four dimensions (length and width of flare and wheal) were measured and recorded. If all four dimensions

were less than 3 mm, zeroes were recorded for all the measurements. Confluence was noted for both allergens if two reactions overlapped. For details of the allergy testing protocol, see the Training Manual for Allergy Component (U.S. DHHS, 1996b).

The NHANES III allergy skin test was administered by health technicians

who were trained to perform the testing. Training occurred before the examination period at special training sessions held at NCHS or at the offices of the contractor responsible for survey operations. The component was monitored on a regular basis by the component consultant, and retraining was conducted annually. In addition to data collection training, the technicians were trained to recognize and respond to generalized hypersensitivity reactions. A physician was in the MEC during all examinations, and drugs for treating systemic allergic reactions were available.

Information on respiratory symptoms related to allergies can be found in the Household Adult Data File (for examinees aged 17 years and over) and the Household Youth Data File (for examinees aged 2 months-16 years).

The allergen data fields are blank for examinees who were excluded for safety reasons. For those examinees who were eligible for the allergy skin test but for whom allergen data were not collected, the allergen measurement fields have "888 Blank but applicable" values. In most cases, these missing data were due to examinees not participating in the allergy skin test, usually due to time constraints. In other cases, however, data on some but not all allergens were collected. These gaps in the data were due to refusals to continue the testing or to receive specific allergens.

All measurements were taken within the acceptable time of 15 plus or minus 5 minutes except for one examinee who was measured at 23 minutes after the administration of the allergens and the controls. Therefore, the variables indicating the minutes from administration to reading for each allergen were not included on this data file.

Data processing and editing were performed to ensure internal data consistency.

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

SCREENING QUESTIONS AND GENERAL INFORMATION

Positions SAS name	Counts	Item description and code	Notes
1362 ALRQ1		Are you now having problems breathing in your chest or lungs?	
	13	1 Yes	
	736	2 No (ALRQ4)	
	175	8 Blank but applicable	
	1672	Blank	
1363 ALRQ2		Do you usually have breathing problems in your chest or lungs?	
	5	1 Yes	
	8	2 No - exclude	
	175	8 Blank but applicable	
	2408	Blank	
1364 ALRQ3		Is your current breathing problem worse than usual in your chest or lungs?	
	3	1 Yes - exclude	
	2	2 No	
	175	8 Blank but applicable	
	2416	Blank	
1365 ALRQ4		Have you had a past severe reaction to allergen skin testing?	
	3	1 Yes - exclude	
	735	2 No	
	175	8 Blank but applicable	
	1683	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

SCREENING QUESTIONS AND GENERAL INFORMATION

Positions		Item description	
SAS name	Counts	and code	Notes
	1366	Does sample person have severe eczema or infection on both arms?	
ALRQ5		1 Yes - exclude	
	734	2 No	
	175	8 Blank but applicable	
	1686	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1367 ALRNEGAR	735 174 1687	Negative control - arm 2 Left arm 8 Blank but applicable Blank	
1368-1370 ALRNEGFL	736 173 1687	Negative control - flare length (mm) 000-037 888 Blank but applicable Blank	
1371-1373 ALRNEGFW	736 173 1687	Negative control - flare width (mm) 000-021 888 Blank but applicable Blank	
1374 ALRNEGCM	735 174 1687	Negative control - confluent 2 No 8 Blank but applicable Blank	
1375-1377 ALRNEGWL	736 173 1687	Negative control - wheal length (mm) 000-007 888 Blank but applicable Blank	
1378-1380 ALRNEGWW	736 173 1687	Negative control - wheal width (mm) 000-007 888 Blank but applicable Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1381 ALRWHIAR	735	White oak - arm 2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1382-1384 ALRWHIFL	735	White oak - flare length (mm) 000-056	
	174	888 Blank but applicable	
	1687	Blank	
1385-1387 ALRWHIFW	735	White oak - flare width (mm) 000-038	
	174	888 Blank but applicable	
	1687	Blank	
1388 ALRWHICN	5	White oak - confluent 1 Yes	
	730	2 No	
	174	8 Blank but applicable	
	1687	Blank	
1389-1391 ALRWHIWL	735	White oak - wheal length (mm) 000-029	
	174	888 Blank but applicable	
	1687	Blank	
1392-1394 ALRWHIWW	735	White oak - wheal width (mm) 000-012	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1395 ALRCATAR	735	Cat - arm 2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1396-1398 ALRCATFL	735	Cat - flare length (mm) 000-057	
	174	888 Blank but applicable	
	1687	Blank	
1399-1401 ALRCATFW	735	Cat - flare width (mm) 000-039	
	174	888 Blank but applicable	
	1687	Blank	
1402 ALRCATCN	7	Cat - confluent 1 Yes	
	728	2 No	
	174	8 Blank but applicable	
	1687	Blank	
1403-1405 ALRCATWL	735	Cat - wheal length (mm) 000-022	
	174	888 Blank but applicable	
	1687	Blank	
1406-1408 ALRCATWW	735	Cat - wheal width (mm) 000-011	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1409 ALRMITAR	735	Mite - arm 2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1410-1412 ALRMITFL	735	Mite - flare length (mm) 000-074	
	174	888 Blank but applicable	
	1687	Blank	
1413-1415 ALRMITFW	735	Mite - flare width (mm) 000-059	
	174	888 Blank but applicable	
	1687	Blank	
1416 ALRMITCN	11	Mite - confluent 1 Yes	
	724	2 No	
	174	8 Blank but applicable	
	1687	Blank	
1417-1419 ALRMITWL	735	Mite - wheal length (mm) 000-032	
	174	888 Blank but applicable	
	1687	Blank	
1420-1422 ALRMITWW	735	Mite - wheal width (mm) 000-020	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1423 ALRAL TAR	735 174 1687	Alternaria - arm 2 Left arm 8 Blank but applicable Blank	
1424-1426 ALRAL TFL	735 174 1687	Alternaria - flare length (mm) 000-069 888 Blank but applicable Blank	
1427-1429 ALRAL TFW	735 174 1687	Alternaria - flare width (mm) 000-048 888 Blank but applicable Blank	
1430 ALRAL TCN	8 727 174 1687	Alternaria - confluent 1 Yes 2 No 8 Blank but applicable Blank	
1431-1433 ALRAL TWL	735 174 1687	Alternaria - wheal length (mm) 000-019 888 Blank but applicable Blank	
1434-1436 ALRAL TWW	735 174 1687	Alternaria - wheal width (mm) 000-010 888 Blank but applicable Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1437 ALRRYEAR	735	Rye grass - arm 2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1438-1440 ALRRYEFL	735	Rye grass - flare length (mm) 000-116	
	174	888 Blank but applicable	
	1687	Blank	
1441-1443 ALRRYEFW	735	Rye grass - flare width (mm) 000-060	
	174	888 Blank but applicable	
	1687	Blank	
1444 ALRRYECN	8	Rye grass - confluent 1 Yes	
	727	2 No	
	174	8 Blank but applicable	
	1687	Blank	
1445-1447 ALRRYEWL	735	Rye grass - wheal length (mm) 000-040	
	174	888 Blank but applicable	
	1687	Blank	
1448-1450 ALRRYEWW	735	Rye grass - wheal width (mm) 000-026	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1451 ALRPEAAR	733	Peanut - arm 1 Right arm	
	2	2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1452-1454 ALRPEAFL	735	Peanut - flare length (mm) 000-034	
	174	888 Blank but applicable	
	1687	Blank	
1455-1457 ALRPEAFW	735	Peanut - flare width (mm) 000-024	
	174	888 Blank but applicable	
	1687	Blank	
1458 ALRPEACN	735	Peanut - confluent 2 No	
	174	8 Blank but applicable	
	1687	Blank	
1459-1461 ALRPEAWL	735	Peanut - wheal length (mm) 000-012	
	174	888 Blank but applicable	
	1687	Blank	
1462-1464 ALRPEAWW	735	Peanut - wheal width (mm) 000-007	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1465 ALRTHIAR	733	Russian thistle - arm 1 Right arm	
	2	2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1466-1468 ALRTHIFL	735	Russian thistle - flare length (mm) 000-044	
	174	888 Blank but applicable	
	1687	Blank	
1469-1471 ALRTHIFW	735	Russian thistle - flare width (mm) 000-037	
	174	888 Blank but applicable	
	1687	Blank	
1472 ALRTHICN	1	Russian thistle - confluent 1 Yes	
	734	2 No	
	174	8 Blank but applicable	
	1687	Blank	
1473-1475 ALRTHIWL	735	Russian thistle - wheal length (mm) 000-018	
	174	888 Blank but applicable	
	1687	Blank	
1476-1478 ALRTHIWW	735	Russian thistle - wheal width (mm) 000-011	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1479 ALRCOCAR	733	German cockroach - arm 1 Right arm	
	2	2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1480-1482 ALRCOCFL	735	German cockroach - flare length (mm) 000-062	
	174	888 Blank but applicable	
	1687	Blank	
1483-1485 ALRCOCFW	735	German cockroach - flare width (mm) 000-049	
	174	888 Blank but applicable	
	1687	Blank	
1486 ALRCOCCN	3	German cockroach - confluent 1 Yes	
	732	2 No	
	174	8 Blank but applicable	
	1687	Blank	
1487-1489 ALRCOCWL	735	German cockroach - wheal length (mm) 000-033	
	174	888 Blank but applicable	
	1687	Blank	
1490-1492 ALRCOCWW	735	German cockroach - wheal width (mm) 000-012	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1493 ALRBERAR	733	Bermuda grass - arm 1 Right arm	
	2	2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1494-1496 ALRBERFL	735	Bermuda grass - flare length (mm) 000-060	
	174	888 Blank but applicable	
	1687	Blank	
1497-1499 ALRBERFW	735	Bermuda grass - flare width (mm) 000-060	
	174	888 Blank but applicable	
	1687	Blank	
1500 ALRBERCN	9	Bermuda grass - confluent 1 Yes	
	726	2 No	
	174	8 Blank but applicable	
	1687	Blank	
1501-1503 ALRBERWL	735	Bermuda grass - wheal length (mm) 000-025	
	174	888 Blank but applicable	
	1687	Blank	
1504-1506 ALRBERWW	735	Bermuda grass - wheal width (mm) 000-018	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1507 ALRRAGAR	733	Ragweed - arm 1 Right arm	
	2	2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1508-1510 ALRRAGFL	735	Ragweed - flare length (mm) 000-077	
	174	888 Blank but applicable	
	1687	Blank	
1511-1513 ALRRAGFW	735	Ragweed - flare width (mm) 000-048	
	174	888 Blank but applicable	
	1687	Blank	
1514 ALRRAGCN	17	Ragweed - confluent 1 Yes	
	718	2 No	
	174	8 Blank but applicable	
	1687	Blank	
1515-1517 ALRRAGWL	735	Ragweed - wheal length (mm) 000-041	
	174	888 Blank but applicable	
	1687	Blank	
1518-1520 ALRRAGWW	735	Ragweed - wheal width (mm) 000-017	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1521 ALRPSCAR	733	Positive control - arm 1 Right arm	
	2	2 Left arm	
	174	8 Blank but applicable	
	1687	Blank	
1522-1524 ALRPSCFL	735	Positive control - flare length (mm) 000-078	
	174	888 Blank but applicable	
	1687	Blank	
1525-1527 ALRPSCFW	735	Positive control - flare width (mm) 000-040	
	174	888 Blank but applicable	
	1687	Blank	
1528 ALRPSCCN	14	Positive control - confluent 1 Yes	
	721	2 No	
	174	8 Blank but applicable	
	1687	Blank	
1529-1531 ALRPSCWL	735	Positive control - wheal length (mm) 000-019	
	174	888 Blank but applicable	
	1687	Blank	
1532-1534 ALRPSCWW	735	Positive control - wheal width (mm) 000-010	
	174	888 Blank but applicable	
	1687	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

ALLERGY SKIN TEST

TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1535-1539		Examiner number 1	See note
ALRTECH1	725	01001-09018	
	199	88888 Blank but applicable	
	1672	Blank	
1540-1544		Examiner number 2	See note
ALRTECH2	754	01001-09018	
	170	88888 Blank but applicable	
	1672	Blank	

NOTES

ALPTECH1 and ALPTECH2: Examiners number 1 and 2

Because of the time interval between allergen placement and reading, the examiner number was entered twice. Examiner number 1 placed the allergens, and examiner 2 measured the reactions.

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AUDIOMETRY

Pure tone air conduction audiometric threshold testing was conducted on all examinees aged 6-19 years by a trained examiner in a soundproof room in the mobile examination center (MEC).

Before threshold testing, a screening questionnaire was administered to determine the need for test exclusions and to assess factors that might affect test results. Examinees who reported having ear drainage (AURA10) were excluded from air conduction testing on the ear(s) with drainage.

Because this examination was administered in the mobile examination center, the MEC examination sample weight (WTPFEX6) should be used for data analysis. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

Threshold testing was conducted on both ears of examinees at seven frequencies (500, 1000, 2000, 3000, 4000, 6000, and 8000 Hertz (Hz)). The valid range for air conduction threshold values was determined by the effective range of the audiometers (Grason-Stadler, Inc., Model GSI 16, Littleton, MA), which was from -20 to 105 decibels (dB). Observed values were between -10 and 100 dB. If an examinee did not respond to the signal tone at any level for one or more frequencies and a comment by the examiner indicated known deafness or severe hearing loss, a threshold level of 105 dB was entered. In accordance with the testing protocol, a retest with masking occurred if an examinee had air conduction threshold value(s) at a given frequency that differed by 40 dB or more between both ears. If the lack of response was unilateral with a threshold value of 65 dB or lower for the other ear, a threshold value of 105 dB was entered for the relevant retest with masking value(s).

Before the examinations began at each MEC site, a field output calibration check was performed, and an environmental noise survey was conducted. The audiometer was rechecked weekly, and during examination periods, the tone quality, masking tone quality, hearing level controls, and earphones were checked daily. If a unit did not meet specifications, it was sent for service, and a backup unit was used for examinations. Additionally, laboratory calibration on each unit was performed approximately twice a year. For details of these procedures, analysts should consult the Audiometry and Tympanometry Manual (U.S. DHHS, 1996b).

Air conduction threshold testing alone is not sufficient to fully characterize hearing loss; it only provides information on the severity and the frequencies affected. Because of this, tympanic membrane compliance also was measured to help determine the nature of any hearing loss observed in the audiometry data. Analysts should refer to the Tympanometry section of the Examination Data File for information on this aspect of hearing testing. In addition, questions on hearing status including ear infection history and the use of hearing aids can be found in the Household Youth Data File (2 months-

16 years of age).

The audiometry consultant provided extensive training to examiners at their time of hire, and each examiner's performance was monitored on a periodic basis. Audiometry and tympanometry were priority components at three of four annual MEC team retrainings.

Data processing and editing were performed to ensure internal data consistency. Notes have been provided for variables requiring additional explanation.

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

CONDITIONS AFFECTING TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1545 AURA1		Have you had a cold or sinus problem within the past week?	
	79	1 Yes	
	320	2 No	
	27	8 Blank but applicable	
	2170	Blank	
1546 AURA2		Do you have a cold or sinus problem today?	
	61	1 Yes	
	18	2 No	
	27	8 Blank but applicable	
	2490	Blank	
1547 AURA3		Have you been exposed to a very loud noise within the past 24 hours?	
	16	1 Yes	
	383	2 No	
	27	8 Blank but applicable	
	2170	Blank	
1548-1549 AURA4		How many hours ago did the noise end?	
	15	01-20	
	1	77 Less than 1 hour	
	27	88 Blank but applicable	
	2553	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

CONDITIONS AFFECTING TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1550 AURA5		Have you listened to music with headphones/earphones in the past 24 hours?	
	21	1 Yes	
	378	2 No	
	27	8 Blank but applicable	
	2170	Blank	
1551-1552 AURA6		How many hours ago did you stop listening?	
	20	01-23	
	28	88 Blank but applicable	
	2548	Blank	
1553 AURA7		Have you had buzzing/ringing or other noises in your ears today?	
	388	2 No	
	3	3 Right	
	1	4 Left	
	7	5 Both	
	27	8 Blank but applicable	
	2170	Blank	
1554 AURA8		Have you had an earache within the past week?	
	385	2 No	
	7	3 Right	
	4	4 Left	
	3	5 Both	
	27	8 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

CONDITIONS AFFECTING TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1555 AURA9		Do you now have a tube in your right or left ear?	See note
	397	2 No	
	1	3 Right	
	28	8 Blank but applicable	
	2170	Blank	
1556 AURA10		Do you now have drainage/discharge from either ear?	See note
	396	2 No	
	1	3 Right	
	1	4 Left	
	1	5 Both	
	27	8 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

CONDITIONS AFFECTING TEST RESULTS

Positions		Item description	
SAS name	Counts	and code	Notes
1557-1560		Audiometer number	
AURAU01	51	1230	
	61	1237	
	57	1240	
	80	1580	
	25	1581	
	65	2048	
	58	2050	
	28	8888 Blank but applicable	
	2171	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

LEFT EAR TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1561-1563 AURB1A1		Left ear air conduction hearing level, first test at 1000 Hz (dB)	
	394	-10-040	
	30	888 Blank but applicable	
	2172	Blank	
1564-1566 AURB1A2		Left ear air conduction hearing level, 2000 Hz (dB)	
	394	-10-035	
	30	888 Blank but applicable	
	2172	Blank	
1567-1569 AURB1A3		Left ear air conduction hearing level, 3000 Hz (dB)	
	393	-10-055	
	31	888 Blank but applicable	
	2172	Blank	
1570-1572 AURB1A4		Left ear air conduction hearing level, 4000 Hz (dB)	
	393	-10-055	
	31	888 Blank but applicable	
	2172	Blank	
1573-1575 AURB1A5		Left ear air conduction hearing level, 6000 Hz (dB)	
	391	-10-045	
	33	888 Blank but applicable	
	2172	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

LEFT EAR TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1576-1578 AURB1A6		Left ear air conduction hearing level, 8000 Hz (dB)	
	391	-10-045	
	33	888 Blank but applicable	
	2172	Blank	
1579-1581 AURB1A7		Left ear air conduction hearing level, repeat test at 1000 Hz (dB)	
	391	-10-040	
	33	888 Blank but applicable	
	2172	Blank	
1582-1584 AURB1A8		Left ear air conduction hearing level, 500 Hz (dB)	
	391	-10-045	
	33	888 Blank but applicable	
	2172	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

RIGHT EAR TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1585-1587 AURB2A1	393	Right ear air conduction hearing level, first test at 1000 Hz (dB) -10-050	
	31	888 Blank but applicable	
	2172	Blank	
1588-1590 AURB2A2	392	Right ear air conduction hearing level, 2000 Hz (dB) -10-035	
	32	888 Blank but applicable	
	2172	Blank	
1591-1593 AURB2A3	392	Right ear air conduction hearing level, 3000 Hz (dB) -10-040	
	32	888 Blank but applicable	
	2172	Blank	
1594-1596 AURB2A4	392	Right ear air conduction hearing level, 4000 Hz (dB) -10-030	
	32	888 Blank but applicable	
	2172	Blank	
1597-1599 AURB2A5	391	Right ear air conduction hearing level, 6000 Hz (dB) -10-040	
	33	888 Blank but applicable	
	2172	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

RIGHT EAR TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1600-1602 AURB2A6		Right ear air conduction hearing level, 8000 Hz (dB)	
	391	-10-045	
	33	888 Blank but applicable	
	2172	Blank	
1603-1605 AURB2A7		Right ear air conduction hearing level, repeat test at 1000 Hz (dB)	
	390	-10-050	
	34	888 Blank but applicable	
	2172	Blank	
1606-1608 AURB2A8		Right ear air conduction hearing level, 500 Hz (dB)	
	390	-10-040	
	34	888 Blank but applicable	
	2172	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

RETEST RESULTS WITH MASKING

Positions SAS name	Counts	Item description and code	Notes
1609-1612		Audiometer number for retest	See note
AURAU02	1	1240	
	1	1580	
	2594	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

LEFT EAR RETEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1613 AURB1C1	2596	Left ear air conduction retest hearing level, first retest at 1000 Hz (dB) Blank	See note
1614 AURB1C2	2596	Left ear air conduction retest hearing level, 2000 Hz (dB) Blank	See note
1615 AURB1C3	2596	Left ear air conduction retest hearing level, 3000 Hz (dB) Blank	See note
1616 AURB1C4	2596	Left ear air conduction retest hearing level, 4000 Hz (dB) Blank	See note
1617 AURB1C5	2596	Left ear air conduction retest hearing level, 6000 Hz (dB) Blank	See note
1618 AURB1C6	2596	Left ear air conduction retest hearing level, 8000 Hz (dB) Blank	See note
1619 AURB1C7	2596	Left ear air conduction retest hearing level, repeat retest at 1000 Hz (dB) Blank	See note
1620 AURB1C8	2596	Left ear air conduction retest hearing level, 500 Hz (dB) Blank	See note

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

RIGHT EAR RETEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1621-1622 AURB2C1	2 2594	Right ear air conduction retest hearing level, first retest at 1000 Hz (dB) 20-35 Blank	See note
1623 AURB2C2	2596	Right ear air conduction retest hearing level, 2000 Hz (dB) Blank	See note
1624 AURB2C3	2596	Right ear air conduction retest hearing level, 3000 Hz (dB) Blank	See note
1625 AURB2C4	2596	Right ear air conduction retest hearing level, 4000 Hz (dB) Blank	See note
1626 AURB2C5	2596	Right ear air conduction retest hearing level, 6000 Hz (dB) Blank	See note
1627 AURB2C6	2596	Right ear air conduction retest hearing level, 8000 Hz (dB) Blank	See note
1628-1629 AURB2C7	1 2595	Right ear air conduction retest hearing level, repeat retest at 1000 Hz (dB) 20 Blank	See note

NHANES III Examination Data File

SECOND EXAM DATA

AUDIOMETRY

RIGHT EAR RETEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
1630-1631 AURB2C8	1 2595	Right ear air conduction retest hearing level, 500 Hz (dB) 35 Blank	See note
1632-1636 AURTECH	392 34 2170	Examiner number 01001-09018 88888 Blank but applicable Blank	

NOTES

AURA10: Drainage/discharge from either ear?

Examinees who reported having ear drainage were excluded from air conduction testing on the ear with drainage and from tympanic membrane compliance testing on both ears. Threshold value fields for excluded ears are blank. Tympanometry data fields for excluded examinees are blank.

AURA9: Tube in right or left ear?

Examinees who reported having a tube in either or both ears were excluded from tympanic membrane compliance testing. However, air conduction threshold testing was performed if there was no report or evidence of drainage (AURA10). Tympanometry data fields for excluded examinees are blank.

AURAU02 and AURB1C1-AURB1C8, AURB2C1-AURB2C8: Retest information

When examinees had air conduction threshold values at a given frequency that differed by 40 dB or more between the left and right ears, the ear with the higher threshold value(s) was retested while a masking sound was introduced into the other ear. In cases for which a retest was indicated but for which no retest data existed, the relevant variables were coded "Blank but applicable." If no threshold value differences of 40 dB or more were observed, these variables are blank.

TYMPANOMETRY

Tympanic membrane compliance was tested for all examinees aged 6-19 years by a trained examiner in a soundproof room in the mobile examination center (MEC).

A screening questionnaire administered before audiometry testing also determined tympanometry test exclusions and can be used to assess factors that might have affected tympanometry results. If an examinee reported that either ear had a tube (AURA9) or drainage (AURA10), tympanometry was not performed, and all tympanometry variables are blank. Analysts should refer to the Audiometry section of the examination data file for information on the screening questionnaire. In addition, questions on hearing status, including ear infection history and the use of hearing aids, can be found in the Household Youth Data File (ages 2 months-16 years).

Because this examination was administered in the mobile examination center, the MEC examination sample weight (WTPFEX6) should be used for data analysis. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

The tympanometer (Model TA-7A Automatic Impedance Meter, Teledyne Avionics, Charlottesville, VA) produced a paper tympanogram output and was connected to a personal computer for electronic data collection.

Tympanometer function was checked daily. If a unit did not meet specifications, it was sent for service, and a backup unit was used for examinations. Laboratory calibration on each unit was performed approximately twice a year. For details of equipment maintenance procedures, analysts should consult the Audiometry and Tympanometry Manual (U.S. DHHS, 1996b).

Training for tympanometry was combined with that for audiometry. At the time of hire, examiners received extensive instruction from the audiometry consultant, and the examiners' performance was monitored on a periodic basis. Hearing evaluation, which included audiometry and tympanometry, was a priority component at three of four annual MEC team retrainings.

The variables containing equivalent volume at various pressures (TYRC000L-TYRC120L, TYRC000R-TYRC120R) can be used to create tympanogram plots of compliance as a function of pressure. To do so, the analyst must rearrange the data to have 121 observations per examinee (one for each pressure value at which compliance was determined from -400 to 200 daPa in 5 daPa increments) and create a variable to record the associated pressure values. An example of SAS programming code to perform this rearrangement is included in the note for TYRC000L-TYRC120L and TYRC000R-TYRC120R.

This data file includes 242 variables with equivalent volume data for pressure values between -400 and 200 daPa. Many examinees have data for pressure values of -200 daPa or greater but have no data (blanks) for pressure values from -400 to -205 daPa. This is due to variability in a software setting on the tympanometer that toggled an

option for continuing readings to -400 daPa or stopping the pressure at -200 daPa if a compliance peak occurred before -175 daPa. When plotting tympanogram data, analysts may want to include data points for pressure values between -400 and -205 daPa. However, in most cases, this pressure range will not add useful tympanogram information.

Early in the survey, electronic data collection was not fully operational, and sporadic equipment problems led to data loss throughout the survey. In these cases, the tympanogram data points (TYRC000L-TYRC120L, TYRC000R-TYRC120R) are not available. However, the values for peak compliance (TYRCMPLL, TYRCMPLR), pressure at peak compliance (TYRPRSPL, TYRPRSPR), canal volume (TYRVOLL, TYRVOLR), and acoustic reflex (TYRRFXL, TYRRFXR) were entered into the data from the hard copy tympanograms if they were available.

Data processing and editing were performed to ensure internal consistency of data. Notes have been provided for variables requiring additional explanation.

NHANES III Examination Data File

SECOND EXAM DATA

TYMPANOMETRY

SUMMARY MEASURES

Positions SAS name	Counts	Item description and code	Notes
1637-1639 TYRCMPLL		Compliance (base-peak difference) left ear (ml)	
	367	0.1-1.9	
	59	888 Blank but applicable	
	2170	Blank	
1640-1642 TYRCMPLR		Compliance (base-peak difference) right ear (ml)	
	362	0.1-2.5	
	64	888 Blank but applicable	
	2170	Blank	
1643-1646 TYRPRSPL		Pressure at peak, left ear (daPa)	
	366	-345-0080	
	60	8888 Blank but applicable	
	2170	Blank	
1647-1650 TYRPRSPR		Pressure at peak, right ear (daPa)	
	359	-400-0085	
	67	8888 Blank but applicable	
	2170	Blank	
1651-1653 TYRVOLL		Canal volume, left ear (ml)	
	367	0.4-004	
	59	888 Blank but applicable	
	2170	Blank	
1654-1656 TYRVOLR		Canal volume, right ear (ml)	
	362	0.5-4.4	
	64	888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

TYMPANOMETRY

SUMMARY MEASURES

Positions SAS name	Counts	Item description and code	Notes
1657-1659		Reflex, left ear (dB)	
TYRRFXL	287	095	
	59	105	
	80	888 Blank but applicable	
	2170	Blank	
1660-1662		Reflex, right ear (dB)	
TYRRFXR	267	095	
	72	105	
	87	888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1663-1667 TYRC000L		Equivalent volume at -400 daPa, left ear (ml)	See note
	73	0.562-3.689	
	147	88888 Blank but applicable	
	2376	Blank	
1668-1672 TYRC001L		Equivalent volume at -395 daPa, left ear (ml)	See note
	73	0.605-3.706	
	147	88888 Blank but applicable	
	2376	Blank	
1673-1677 TYRC002L		Equivalent volume at -390 daPa, left ear (ml)	See note
	73	0.632-3.693	
	147	88888 Blank but applicable	
	2376	Blank	
1678-1682 TYRC003L		Equivalent volume at -385 daPa, left ear (ml)	See note
	73	0.608-3.716	
	147	88888 Blank but applicable	
	2376	Blank	
1683-1687 TYRC004L		Equivalent volume at -380 daPa, left ear (ml)	See note
	73	0.585-3.723	
	147	88888 Blank but applicable	
	2376	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1688-1692 TYRC005L		Equivalent volume at -375 daPa, left ear (ml)	See note
	73	0.608-3.747	
	147	88888 Blank but applicable	
	2376	Blank	
1693-1697 TYRC006L		Equivalent volume at -370 daPa, left ear (ml)	See note
	73	0.612-03.73	
	147	88888 Blank but applicable	
	2376	Blank	
1698-1702 TYRC007L		Equivalent volume at -365 daPa, left ear (ml)	See note
	73	0.612-3.764	
	147	88888 Blank but applicable	
	2376	Blank	
1703-1707 TYRC008L		Equivalent volume at -360 daPa, left ear (ml)	See note
	73	0.605-3.743	
	147	88888 Blank but applicable	
	2376	Blank	
1708-1712 TYRC009L		Equivalent volume at -355 daPa, left ear (ml)	See note
	73	0.608-3.733	
	147	88888 Blank but applicable	
	2376	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1713-1717 TYRC010L		Equivalent volume at -350 daPa, left ear (ml)	See note
	73	0.605-3.757	
	147	88888 Blank but applicable	
	2376	Blank	
1718-1722 TYRC011L		Equivalent volume at -345 daPa, left ear (ml)	See note
	73	0.577-03.76	
	147	88888 Blank but applicable	
	2376	Blank	
1723-1727 TYRC012L		Equivalent volume at -340 daPa, left ear (ml)	See note
	73	0.624-03.77	
	147	88888 Blank but applicable	
	2376	Blank	
1728-1732 TYRC013L		Equivalent volume at -335 daPa, left ear (ml)	See note
	73	0.651-3.787	
	147	88888 Blank but applicable	
	2376	Blank	
1733-1737 TYRC014L		Equivalent volume at -330 daPa, left ear (ml)	See note
	73	0.632-3.801	
	147	88888 Blank but applicable	
	2376	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1738-1742 TYRC015L		Equivalent volume at -325 daPa, left ear (ml)	See note
	73	0.608-3.774	
	147	88888 Blank but applicable	
	2376	Blank	
1743-1747 TYRC016L		Equivalent volume at -320 daPa, left ear (ml)	See note
	73	0.647-3.797	
	147	88888 Blank but applicable	
	2376	Blank	
1748-1752 TYRC017L		Equivalent volume at -315 daPa, left ear (ml)	See note
	73	00.62-3.811	
	147	88888 Blank but applicable	
	2376	Blank	
1753-1757 TYRC018L		Equivalent volume at -310 daPa, left ear (ml)	See note
	73	0.624-3.797	
	147	88888 Blank but applicable	
	2376	Blank	
1758-1762 TYRC019L		Equivalent volume at -305 daPa, left ear (ml)	See note
	73	0.624-3.828	
	147	88888 Blank but applicable	
	2376	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1763-1767 TYRC020L		Equivalent volume at -300 daPa, left ear (ml)	See note
	73	0.644-3.831	
	147	88888 Blank but applicable	
	2376	Blank	
1768-1772 TYRC021L		Equivalent volume at -295 daPa, left ear (ml)	See note
	73	0.647-3.841	
	147	88888 Blank but applicable	
	2376	Blank	
1773-1777 TYRC022L		Equivalent volume at -290 daPa, left ear (ml)	See note
	73	0.632-3.855	
	147	88888 Blank but applicable	
	2376	Blank	
1778-1782 TYRC023L		Equivalent volume at -285 daPa, left ear (ml)	See note
	73	00.64-3.841	
	147	88888 Blank but applicable	
	2376	Blank	
1783-1787 TYRC024L		Equivalent volume at -280 daPa, left ear (ml)	See note
	73	0.655-3.855	
	147	88888 Blank but applicable	
	2376	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1788-1792 TYRC025L		Equivalent volume at -275 daPa, left ear (ml)	See note
	73	0.655-3.869	
	147	88888 Blank but applicable	
	2376	Blank	
1793-1797 TYRC026L		Equivalent volume at -270 daPa, left ear (ml)	See note
	73	0.632-3.879	
	147	88888 Blank but applicable	
	2376	Blank	
1798-1802 TYRC027L		Equivalent volume at -265 daPa, left ear (ml)	See note
	73	0.628-3.896	
	147	88888 Blank but applicable	
	2376	Blank	
1803-1807 TYRC028L		Equivalent volume at -260 daPa, left ear (ml)	See note
	73	0.651-3.919	
	147	88888 Blank but applicable	
	2376	Blank	
1808-1812 TYRC029L		Equivalent volume at -255 daPa, left ear (ml)	See note
	73	0.651-3.933	
	147	88888 Blank but applicable	
	2376	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1813-1817 TYRC030L		Equivalent volume at -250 daPa, left ear (ml)	See note
	73	0.655-3.936	
	147	88888 Blank but applicable	
	2376	Blank	
1818-1822 TYRC031L		Equivalent volume at -245 daPa, left ear (ml)	See note
	73	0.671-03.94	
	147	88888 Blank but applicable	
	2376	Blank	
1823-1827 TYRC032L		Equivalent volume at -240 daPa, left ear (ml)	See note
	73	0.655-3.933	
	147	88888 Blank but applicable	
	2376	Blank	
1828-1832 TYRC033L		Equivalent volume at -235 daPa, left ear (ml)	See note
	73	0.663-3.963	
	147	88888 Blank but applicable	
	2376	Blank	
1833-1837 TYRC034L		Equivalent volume at -230 daPa, left ear (ml)	See note
	73	0.694-3.987	
	147	88888 Blank but applicable	
	2376	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1838-1842 TYRC035L		Equivalent volume at -225 daPa, left ear (ml)	See note
	73	0.675-4.007	
	147	88888 Blank but applicable	
	2376	Blank	
1843-1847 TYRC036L		Equivalent volume at -220 daPa, left ear (ml)	See note
	73	0.682-4.031	
	147	88888 Blank but applicable	
	2376	Blank	
1848-1852 TYRC037L		Equivalent volume at -215 daPa, left ear (ml)	See note
	73	0.671-4.021	
	147	88888 Blank but applicable	
	2376	Blank	
1853-1857 TYRC038L		Equivalent volume at -210 daPa, left ear (ml)	See note
	73	0.655-4.014	
	147	88888 Blank but applicable	
	2376	Blank	
1858-1862 TYRC039L		Equivalent volume at -205 daPa, left ear (ml)	See note
	73	0.671-4.072	
	147	88888 Blank but applicable	
	2376	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1863-1867 TYRC040L		Equivalent volume at -200 daPa, left ear (ml)	See note
	279	0.304-4.095	
	147	88888 Blank but applicable	
	2170	Blank	
1868-1872 TYRC041L		Equivalent volume at -195 daPa, left ear (ml)	See note
	279	0.297-4.099	
	147	88888 Blank but applicable	
	2170	Blank	
1873-1877 TYRC042L		Equivalent volume at -190 daPa, left ear (ml)	See note
	279	0.312-4.123	
	147	88888 Blank but applicable	
	2170	Blank	
1878-1882 TYRC043L		Equivalent volume at -185 daPa, left ear (ml)	See note
	279	0.319-04.15	
	147	88888 Blank but applicable	
	2170	Blank	
1883-1887 TYRC044L		Equivalent volume at -180 daPa, left ear (ml)	See note
	279	0.369-4.153	
	147	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1888-1892 TYRC045L		Equivalent volume at -175 daPa, left ear (ml)	See note
	279	0.358-4.207	
	147	88888 Blank but applicable	
	2170	Blank	
1893-1897 TYRC046L		Equivalent volume at -170 daPa, left ear (ml)	See note
	279	0.351-4.261	
	147	88888 Blank but applicable	
	2170	Blank	
1898-1902 TYRC047L		Equivalent volume at -165 daPa, left ear (ml)	See note
	279	0.401-4.272	
	147	88888 Blank but applicable	
	2170	Blank	
1903-1907 TYRC048L		Equivalent volume at -160 daPa, left ear (ml)	See note
	279	0.372-4.299	
	147	88888 Blank but applicable	
	2170	Blank	
1908-1912 TYRC049L		Equivalent volume at -155 daPa, left ear (ml)	See note
	279	0.376-4.339	
	147	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1913-1917 TYRC050L		Equivalent volume at -150 daPa, left ear (ml)	See note
	279	0.361-4.339	
	147	88888 Blank but applicable	
	2170	Blank	
1918-1922 TYRC051L		Equivalent volume at -145 daPa, left ear (ml)	See note
	279	0.347-04.36	
	147	88888 Blank but applicable	
	2170	Blank	
1923-1927 TYRC052L		Equivalent volume at -140 daPa, left ear (ml)	See note
	279	0.301-04.41	
	147	88888 Blank but applicable	
	2170	Blank	
1928-1932 TYRC053L		Equivalent volume at -135 daPa, left ear (ml)	See note
	279	0.308-4.441	
	147	88888 Blank but applicable	
	2170	Blank	
1933-1937 TYRC054L		Equivalent volume at -130 daPa, left ear (ml)	See note
	279	0.297-4.502	
	147	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1938-1942 TYRC055L		Equivalent volume at -125 daPa, left ear (ml)	See note
	279	0.272-4.502	
	147	88888 Blank but applicable	
	2170	Blank	
1943-1947 TYRC056L		Equivalent volume at -120 daPa, left ear (ml)	See note
	279	0.272-4.549	
	147	88888 Blank but applicable	
	2170	Blank	
1948-1952 TYRC057L		Equivalent volume at -115 daPa, left ear (ml)	See note
	279	0.312-4.583	
	147	88888 Blank but applicable	
	2170	Blank	
1953-1957 TYRC058L		Equivalent volume at -110 daPa, left ear (ml)	See note
	279	0.265-4.627	
	147	88888 Blank but applicable	
	2170	Blank	
1958-1962 TYRC059L		Equivalent volume at -105 daPa, left ear (ml)	See note
	279	0.297-4.654	
	147	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1963-1967 TYRC060L		Equivalent volume at -100 daPa, left ear (ml)	See note
	279	0.333-4.671	
	147	88888 Blank but applicable	
	2170	Blank	
1968-1972 TYRC061L		Equivalent volume at -95 daPa, left ear (ml)	See note
	279	0.329-4.715	
	147	88888 Blank but applicable	
	2170	Blank	
1973-1977 TYRC062L		Equivalent volume at -90 daPa, left ear (ml)	See note
	279	0.333-4.718	
	147	88888 Blank but applicable	
	2170	Blank	
1978-1982 TYRC063L		Equivalent volume at -85 daPa, left ear (ml)	See note
	279	0.347-4.769	
	147	88888 Blank but applicable	
	2170	Blank	
1983-1987 TYRC064L		Equivalent volume at -80 daPa, left ear (ml)	See note
	279	0.358-4.773	
	147	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
1988-1992 TYRC065L		Equivalent volume at -75 daPa, left ear (ml)	See note
	279	0.351-4.796	
	147	88888 Blank but applicable	
	2170	Blank	
1993-1997 TYRC066L		Equivalent volume at -70 daPa, left ear (ml)	See note
	279	0.354-004.8	
	147	88888 Blank but applicable	
	2170	Blank	
1998-2002 TYRC067L		Equivalent volume at -65 daPa, left ear (ml)	See note
	279	0.361-04.82	
	147	88888 Blank but applicable	
	2170	Blank	
2003-2007 TYRC068L		Equivalent volume at -60 daPa, left ear (ml)	See note
	279	0.379-04.82	
	147	88888 Blank but applicable	
	2170	Blank	
2008-2012 TYRC069L		Equivalent volume at -55 daPa, left ear (ml)	See note
	279	0.415-004.8	
	147	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2013-2017 TYRC070L		Equivalent volume at -50 daPa, left ear (ml)	See note
	279	0.379-4.786	
	147	88888 Blank but applicable	
	2170	Blank	
2018-2022 TYRC071L		Equivalent volume at -45 daPa, left ear (ml)	See note
	279	0.401-4.773	
	147	88888 Blank but applicable	
	2170	Blank	
2023-2027 TYRC072L		Equivalent volume at -40 daPa, left ear (ml)	See note
	279	00.39-4.766	
	147	88888 Blank but applicable	
	2170	Blank	
2028-2032 TYRC073L		Equivalent volume at -35 daPa, left ear (ml)	See note
	279	0.404-4.746	
	147	88888 Blank but applicable	
	2170	Blank	
2033-2037 TYRC074L		Equivalent volume at -30 daPa, left ear (ml)	See note
	279	0.404-4.728	
	147	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2038-2042 TYRC075L		Equivalent volume at -25 daPa, left ear (ml)	See note
	279	0.379-4.761	
	147	88888 Blank but applicable	
	2170	Blank	
2043-2047 TYRC076L		Equivalent volume at -20 daPa, left ear (ml)	See note
	279	0.401-4.751	
	147	88888 Blank but applicable	
	2170	Blank	
2048-2052 TYRC077L		Equivalent volume at -15 daPa, left ear (ml)	See note
	279	00.39-4.641	
	147	88888 Blank but applicable	
	2170	Blank	
2053-2057 TYRC078L		Equivalent volume at -10 daPa, left ear (ml)	See note
	279	0.429-4.642	
	147	88888 Blank but applicable	
	2170	Blank	
2058-2062 TYRC079L		Equivalent volume at -5 daPa, left ear (ml)	See note
	279	0.401-4.616	
	147	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2063-2067 TYRC080L		Equivalent volume at 0 daPa, left ear (ml)	See note
	279	0.422-4.589	
	147	88888 Blank but applicable	
	2170	Blank	
2068-2072 TYRC081L		Equivalent volume at 5 daPa, left ear (ml)	See note
	279	0.354-04.51	
	147	88888 Blank but applicable	
	2170	Blank	
2073-2077 TYRC082L		Equivalent volume at 10 daPa, left ear (ml)	See note
	279	0.347-4.451	
	147	88888 Blank but applicable	
	2170	Blank	
2078-2082 TYRC083L		Equivalent volume at 15 daPa, left ear (ml)	See note
	279	0.354-4.424	
	147	88888 Blank but applicable	
	2170	Blank	
2083-2087 TYRC084L		Equivalent volume at 20 daPa, left ear (ml)	See note
	279	0.329-4.393	
	147	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2088-2092 TYRC085L		Equivalent volume at 25 daPa, left ear (ml)	See note
	279	00.29-4.373	
	147	88888 Blank but applicable	
	2170	Blank	
2093-2097 TYRC086L		Equivalent volume at 30 daPa, left ear (ml)	See note
	279	0.358-4.343	
	147	88888 Blank but applicable	
	2170	Blank	
2098-2102 TYRC087L		Equivalent volume at 35 daPa, left ear (ml)	See note
	279	00.34-4.312	
	147	88888 Blank but applicable	
	2170	Blank	
2103-2107 TYRC088L		Equivalent volume at 40 daPa, left ear (ml)	See note
	279	0.365-4.316	
	147	88888 Blank but applicable	
	2170	Blank	
2108-2112 TYRC089L		Equivalent volume at 45 daPa, left ear (ml)	See note
	279	0.347-4.272	
	147	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2113-2117 TYRC090L		Equivalent volume at 50 daPa, left ear (ml)	See note
	279	0.369-4.248	
	147	88888 Blank but applicable	
	2170	Blank	
2118-2122 TYRC091L		Equivalent volume at 55 daPa, left ear (ml)	See note
	279	0.361-4.231	
	147	88888 Blank but applicable	
	2170	Blank	
2123-2127 TYRC092L		Equivalent volume at 60 daPa, left ear (ml)	See note
	279	0.351-4.231	
	147	88888 Blank but applicable	
	2170	Blank	
2128-2132 TYRC093L		Equivalent volume at 65 daPa, left ear (ml)	See note
	279	0.379-4.211	
	147	88888 Blank but applicable	
	2170	Blank	
2133-2137 TYRC094L		Equivalent volume at 70 daPa, left ear (ml)	See note
	279	0.315-4.204	
	147	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2138-2142 TYRC095L		Equivalent volume at 75 daPa, left ear (ml)	See note
	279	0.333-04.18	
	147	88888 Blank but applicable	
	2170	Blank	
2143-2147 TYRC096L		Equivalent volume at 80 daPa, left ear (ml)	See note
	279	0.361-04.18	
	147	88888 Blank but applicable	
	2170	Blank	
2148-2152 TYRC097L		Equivalent volume at 85 daPa, left ear (ml)	See note
	279	00.34-04.18	
	147	88888 Blank but applicable	
	2170	Blank	
2153-2157 TYRC098L		Equivalent volume at 90 daPa, left ear (ml)	See note
	279	0.336-4.156	
	147	88888 Blank but applicable	
	2170	Blank	
2158-2162 TYRC099L		Equivalent volume at 95 daPa, left ear (ml)	See note
	279	0.354-4.167	
	147	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2163-2167 TYRC100L		Equivalent volume at 100 daPa, left ear (ml)	See note
	279	0.379-04.15	
	147	88888 Blank but applicable	
	2170	Blank	
2168-2172 TYRC101L		Equivalent volume at 105 daPa, left ear (ml)	See note
	279	0.354-04.15	
	147	88888 Blank but applicable	
	2170	Blank	
2173-2177 TYRC102L		Equivalent volume at 110 daPa, left ear (ml)	See note
	279	0.379-4.123	
	147	88888 Blank but applicable	
	2170	Blank	
2178-2182 TYRC103L		Equivalent volume at 115 daPa, left ear (ml)	See note
	279	0.369-4.123	
	147	88888 Blank but applicable	
	2170	Blank	
2183-2187 TYRC104L		Equivalent volume at 120 daPa, left ear (ml)	See note
	279	0.347-4.143	
	147	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2188-2192 TYRC105L		Equivalent volume at 125 daPa, left ear (ml)	See note
	279	0.347-04.15	
	147	88888 Blank but applicable	
	2170	Blank	
2193-2197 TYRC106L		Equivalent volume at 130 daPa, left ear (ml)	See note
	279	0.372-4.146	
	147	88888 Blank but applicable	
	2170	Blank	
2198-2202 TYRC107L		Equivalent volume at 135 daPa, left ear (ml)	See note
	279	0.354-4.123	
	147	88888 Blank but applicable	
	2170	Blank	
2203-2207 TYRC108L		Equivalent volume at 140 daPa, left ear (ml)	See note
	279	0.326-4.139	
	147	88888 Blank but applicable	
	2170	Blank	
2208-2212 TYRC109L		Equivalent volume at 145 daPa, left ear (ml)	See note
	279	0.365-4.123	
	147	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2213-2217 TYRC110L		Equivalent volume at 150 daPa, left ear (ml)	See note
	279	0.347-4.102	
	147	88888 Blank but applicable	
	2170	Blank	
2218-2222 TYRC111L		Equivalent volume at 155 daPa, left ear (ml)	See note
	279	0.347-4.126	
	147	88888 Blank but applicable	
	2170	Blank	
2223-2227 TYRC112L		Equivalent volume at 160 daPa, left ear (ml)	See note
	279	0.365-4.123	
	147	88888 Blank but applicable	
	2170	Blank	
2228-2232 TYRC113L		Equivalent volume at 165 daPa, left ear (ml)	See note
	279	0.376-4.102	
	147	88888 Blank but applicable	
	2170	Blank	
2233-2237 TYRC114L		Equivalent volume at 170 daPa, left ear (ml)	See note
	279	0.361-4.123	
	147	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2238-2242 TYRC115L		Equivalent volume at 175 daPa, left ear (ml)	See note
	279	0.383-4.099	
	147	88888 Blank but applicable	
	2170	Blank	
2243-2247 TYRC116L		Equivalent volume at 180 daPa, left ear (ml)	See note
	279	0.379-4.075	
	147	88888 Blank but applicable	
	2170	Blank	
2248-2252 TYRC117L		Equivalent volume at 185 daPa, left ear (ml)	See note
	279	0.358-4.068	
	147	88888 Blank but applicable	
	2170	Blank	
2253-2257 TYRC118L		Equivalent volume at 190 daPa, left ear (ml)	See note
	279	0.344-4.068	
	147	88888 Blank but applicable	
	2170	Blank	
2258-2262 TYRC119L		Equivalent volume at 195 daPa, left ear (ml)	See note
	279	0.358-4.048	
	147	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2263-2267 TYRC120L		Equivalent volume at 200 daPa, left ear (ml)	See note
	279	0.372-4.041	
	147	88888 Blank but applicable	
	2170	Blank	
2268-2272 TYRC000R		Equivalent volume at -400 daPa, right ear (ml)	See note
	67	0.699-004.2	
	151	88888 Blank but applicable	
	2378	Blank	
2273-2277 TYRC001R		Equivalent volume at -395 daPa, right ear (ml)	See note
	67	0.724-4.207	
	151	88888 Blank but applicable	
	2378	Blank	
2278-2282 TYRC002R		Equivalent volume at -390 daPa, right ear (ml)	See note
	67	0.732-4.234	
	151	88888 Blank but applicable	
	2378	Blank	
2283-2287 TYRC003R		Equivalent volume at -385 daPa, right ear (ml)	See note
	67	0.741-4.244	
	151	88888 Blank but applicable	
	2378	Blank	

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 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2288-2292 TYRC004R		Equivalent volume at -380 daPa, right ear (ml)	See note
	67	0.721-4.244	
	151	88888 Blank but applicable	
	2378	Blank	
2293-2297 TYRC005R		Equivalent volume at -375 daPa, right ear (ml)	See note
	67	00.74-4.234	
	151	88888 Blank but applicable	
	2378	Blank	
2298-2302 TYRC006R		Equivalent volume at -370 daPa, right ear (ml)	See note
	67	0.706-4.234	
	151	88888 Blank but applicable	
	2378	Blank	
2303-2307 TYRC007R		Equivalent volume at -365 daPa, right ear (ml)	See note
	67	0.731-4.261	
	151	88888 Blank but applicable	
	2378	Blank	
2308-2312 TYRC008R		Equivalent volume at -360 daPa, right ear (ml)	See note
	67	0.743-4.265	
	151	88888 Blank but applicable	
	2378	Blank	

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 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2313-2317 TYRC009R		Equivalent volume at -355 daPa, right ear (ml)	See note
	67	0.713-4.285	
	151	88888 Blank but applicable	
	2378	Blank	
2318-2322 TYRC010R		Equivalent volume at -350 daPa, right ear (ml)	See note
	67	0.724-4.302	
	151	88888 Blank but applicable	
	2378	Blank	
2323-2327 TYRC011R		Equivalent volume at -345 daPa, right ear (ml)	See note
	67	0.738-4.282	
	151	88888 Blank but applicable	
	2378	Blank	
2328-2332 TYRC012R		Equivalent volume at -340 daPa, right ear (ml)	See note
	67	0.764-4.265	
	151	88888 Blank but applicable	
	2378	Blank	
2333-2337 TYRC013R		Equivalent volume at -335 daPa, right ear (ml)	See note
	67	0.743-4.285	
	151	88888 Blank but applicable	
	2378	Blank	

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 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2338-2342 TYRC014R		Equivalent volume at -330 daPa, right ear (ml)	See note
	67	00.77-4.312	
	151	88888 Blank but applicable	
	2378	Blank	
2343-2347 TYRC015R		Equivalent volume at -325 daPa, right ear (ml)	See note
	67	00.72-4.312	
	151	88888 Blank but applicable	
	2378	Blank	
2348-2352 TYRC016R		Equivalent volume at -320 daPa, right ear (ml)	See note
	67	0.757-4.329	
	151	88888 Blank but applicable	
	2378	Blank	
2353-2357 TYRC017R		Equivalent volume at -315 daPa, right ear (ml)	See note
	67	0.752-4.353	
	151	88888 Blank but applicable	
	2378	Blank	
2358-2362 TYRC018R		Equivalent volume at -310 daPa, right ear (ml)	See note
	67	0.749-4.363	
	151	88888 Blank but applicable	
	2378	Blank	

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 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2363-2367 TYRC019R		Equivalent volume at -305 daPa, right ear (ml)	See note
	67	0.752-4.343	
	151	88888 Blank but applicable	
	2378	Blank	
2368-2372 TYRC020R		Equivalent volume at -300 daPa, right ear (ml)	See note
	67	0.764-4.363	
	151	88888 Blank but applicable	
	2378	Blank	
2373-2377 TYRC021R		Equivalent volume at -295 daPa, right ear (ml)	See note
	67	0.763-4.383	
	151	88888 Blank but applicable	
	2378	Blank	
2378-2382 TYRC022R		Equivalent volume at -290 daPa, right ear (ml)	See note
	67	0.795-04.37	
	151	88888 Blank but applicable	
	2378	Blank	
2383-2387 TYRC023R		Equivalent volume at -285 daPa, right ear (ml)	See note
	67	0.784-04.42	
	151	88888 Blank but applicable	
	2378	Blank	

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 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2388-2392 TYRC024R		Equivalent volume at -280 daPa, right ear (ml)	See note
	67	00.76-04.42	
	151	88888 Blank but applicable	
	2378	Blank	
2393-2397 TYRC025R		Equivalent volume at -275 daPa, right ear (ml)	See note
	67	0.766-04.42	
	151	88888 Blank but applicable	
	2378	Blank	
2398-2402 TYRC026R		Equivalent volume at -270 daPa, right ear (ml)	See note
	67	0.777-4.434	
	151	88888 Blank but applicable	
	2378	Blank	
2403-2407 TYRC027R		Equivalent volume at -265 daPa, right ear (ml)	See note
	67	0.738-4.448	
	151	88888 Blank but applicable	
	2378	Blank	
2408-2412 TYRC028R		Equivalent volume at -260 daPa, right ear (ml)	See note
	67	0.825-4.488	
	151	88888 Blank but applicable	
	2378	Blank	

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 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2413-2417 TYRC029R		Equivalent volume at -255 daPa, right ear (ml)	See note
	67	0.791-4.519	
	151	88888 Blank but applicable	
	2378	Blank	
2418-2422 TYRC030R		Equivalent volume at -250 daPa, right ear (ml)	See note
	67	0.787-4.509	
	151	88888 Blank but applicable	
	2378	Blank	
2423-2427 TYRC031R		Equivalent volume at -245 daPa, right ear (ml)	See note
	67	0.801-4.542	
	151	88888 Blank but applicable	
	2378	Blank	
2428-2432 TYRC032R		Equivalent volume at -240 daPa, right ear (ml)	See note
	67	0.791-4.569	
	151	88888 Blank but applicable	
	2378	Blank	
2433-2437 TYRC033R		Equivalent volume at -235 daPa, right ear (ml)	See note
	67	0.764-4.586	
	151	88888 Blank but applicable	
	2378	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2438-2442 TYRC034R		Equivalent volume at -230 daPa, right ear (ml)	See note
	67	0.784-4.613	
	151	88888 Blank but applicable	
	2378	Blank	
2443-2447 TYRC035R		Equivalent volume at -225 daPa, right ear (ml)	See note
	67	0.677-04.61	
	151	88888 Blank but applicable	
	2378	Blank	
2448-2452 TYRC036R		Equivalent volume at -220 daPa, right ear (ml)	See note
	67	0.791-4.644	
	151	88888 Blank but applicable	
	2378	Blank	
2453-2457 TYRC037R		Equivalent volume at -215 daPa, right ear (ml)	See note
	67	0.784-4.685	
	151	88888 Blank but applicable	
	2378	Blank	
2458-2462 TYRC038R		Equivalent volume at -210 daPa, right ear (ml)	See note
	67	0.791-4.708	
	151	88888 Blank but applicable	
	2378	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2463-2467 TYRC039R		Equivalent volume at -205 daPa, right ear (ml)	See note
	67	0.797-4.735	
	151	88888 Blank but applicable	
	2378	Blank	
2468-2472 TYRC040R		Equivalent volume at -200 daPa, right ear (ml)	See note
	275	0.193-4.749	
	151	88888 Blank but applicable	
	2170	Blank	
2473-2477 TYRC041R		Equivalent volume at -195 daPa, right ear (ml)	See note
	275	00.22-4.725	
	151	88888 Blank but applicable	
	2170	Blank	
2478-2482 TYRC042R		Equivalent volume at -190 daPa, right ear (ml)	See note
	275	0.223-04.79	
	151	88888 Blank but applicable	
	2170	Blank	
2483-2487 TYRC043R		Equivalent volume at -185 daPa, right ear (ml)	See note
	275	0.237-4.817	
	151	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2488-2492 TYRC044R		Equivalent volume at -180 daPa, right ear (ml)	See note
	275	0.216-4.834	
	151	88888 Blank but applicable	
	2170	Blank	
2493-2497 TYRC045R		Equivalent volume at -175 daPa, right ear (ml)	See note
	275	0.216-4.854	
	151	88888 Blank but applicable	
	2170	Blank	
2498-2502 TYRC046R		Equivalent volume at -170 daPa, right ear (ml)	See note
	275	0.216-4.857	
	151	88888 Blank but applicable	
	2170	Blank	
2503-2507 TYRC047R		Equivalent volume at -165 daPa, right ear (ml)	See note
	275	00.21-4.867	
	151	88888 Blank but applicable	
	2170	Blank	
2508-2512 TYRC048R		Equivalent volume at -160 daPa, right ear (ml)	See note
	275	0.223-4.891	
	151	88888 Blank but applicable	
	2170	Blank	

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 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2513-2517 TYRC049R		Equivalent volume at -155 daPa, right ear (ml)	See note
	275	0.216-4.908	
	151	88888 Blank but applicable	
	2170	Blank	
2518-2522 TYRC050R		Equivalent volume at -150 daPa, right ear (ml)	See note
	275	0.196-4.952	
	151	88888 Blank but applicable	
	2170	Blank	
2523-2527 TYRC051R		Equivalent volume at -145 daPa, right ear (ml)	See note
	275	0.237-4.966	
	151	88888 Blank but applicable	
	2170	Blank	
2528-2532 TYRC052R		Equivalent volume at -140 daPa, right ear (ml)	See note
	275	0.216-4.966	
	151	88888 Blank but applicable	
	2170	Blank	
2533-2537 TYRC053R		Equivalent volume at -135 daPa, right ear (ml)	See note
	275	0.216-4.922	
	151	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2538-2542 TYRC054R		Equivalent volume at -130 daPa, right ear (ml)	See note
	275	0.243-4.925	
	151	88888 Blank but applicable	
	2170	Blank	
2543-2547 TYRC055R		Equivalent volume at -125 daPa, right ear (ml)	See note
	275	0.182-4.911	
	151	88888 Blank but applicable	
	2170	Blank	
2548-2552 TYRC056R		Equivalent volume at -120 daPa, right ear (ml)	See note
	275	0.243-4.911	
	151	88888 Blank but applicable	
	2170	Blank	
2553-2557 TYRC057R		Equivalent volume at -115 daPa, right ear (ml)	See note
	275	0.264-4.895	
	151	88888 Blank but applicable	
	2170	Blank	
2558-2562 TYRC058R		Equivalent volume at -110 daPa, right ear (ml)	See note
	275	0.142-4.881	
	151	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2563-2567 TYRC059R		Equivalent volume at -105 daPa, right ear (ml)	See note
	275	0.216-4.884	
	151	88888 Blank but applicable	
	2170	Blank	
2568-2572 TYRC060R		Equivalent volume at -100 daPa, right ear (ml)	See note
	275	0.243-4.881	
	151	88888 Blank but applicable	
	2170	Blank	
2573-2577 TYRC061R		Equivalent volume at -95 daPa, right ear (ml)	See note
	275	0.182-4.834	
	151	88888 Blank but applicable	
	2170	Blank	
2578-2582 TYRC062R		Equivalent volume at -90 daPa, right ear (ml)	See note
	275	0.243-4.827	
	151	88888 Blank but applicable	
	2170	Blank	
2583-2587 TYRC063R		Equivalent volume at -85 daPa, right ear (ml)	See note
	275	0.196-4.806	
	151	88888 Blank but applicable	
	2170	Blank	

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SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2588-2592 TYRC064R		Equivalent volume at -80 daPa, right ear (ml)	See note
	275	0.243-4.773	
	151	88888 Blank but applicable	
	2170	Blank	
2593-2597 TYRC065R		Equivalent volume at -75 daPa, right ear (ml)	See note
	275	0.237-4.759	
	151	88888 Blank but applicable	
	2170	Blank	
2598-2602 TYRC066R		Equivalent volume at -70 daPa, right ear (ml)	See note
	275	00.22-4.749	
	151	88888 Blank but applicable	
	2170	Blank	
2603-2607 TYRC067R		Equivalent volume at -65 daPa, right ear (ml)	See note
	275	0.216-4.746	
	151	88888 Blank but applicable	
	2170	Blank	
2608-2612 TYRC068R		Equivalent volume at -60 daPa, right ear (ml)	See note
	275	0.196-4.762	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2613-2617 TYRC069R		Equivalent volume at -55 daPa, right ear (ml)	See note
	275	00.27-04.77	
	151	88888 Blank but applicable	
	2170	Blank	
2618-2622 TYRC070R		Equivalent volume at -50 daPa, right ear (ml)	See note
	275	0.233-4.781	
	151	88888 Blank but applicable	
	2170	Blank	
2623-2627 TYRC071R		Equivalent volume at -45 daPa, right ear (ml)	See note
	275	00.21-4.742	
	151	88888 Blank but applicable	
	2170	Blank	
2628-2632 TYRC072R		Equivalent volume at -40 daPa, right ear (ml)	See note
	275	0.203-4.781	
	151	88888 Blank but applicable	
	2170	Blank	
2633-2637 TYRC073R		Equivalent volume at -35 daPa, right ear (ml)	See note
	275	0.257-4.707	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2638-2642 TYRC074R		Equivalent volume at -30 daPa, right ear (ml)	See note
	275	0.243-4.746	
	151	88888 Blank but applicable	
	2170	Blank	
2643-2647 TYRC075R		Equivalent volume at -25 daPa, right ear (ml)	See note
	275	00.21-4.672	
	151	88888 Blank but applicable	
	2170	Blank	
2648-2652 TYRC076R		Equivalent volume at -20 daPa, right ear (ml)	See note
	275	0.277-4.652	
	151	88888 Blank but applicable	
	2170	Blank	
2653-2657 TYRC077R		Equivalent volume at -15 daPa, right ear (ml)	See note
	275	00.26-4.636	
	151	88888 Blank but applicable	
	2170	Blank	
2658-2662 TYRC078R		Equivalent volume at -10 daPa, right ear (ml)	See note
	275	00.27-4.609	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2663-2667 TYRC079R		Equivalent volume at -5 daPa, right ear (ml)	See note
	275	0.318-4.583	
	151	88888 Blank but applicable	
	2170	Blank	
2668-2672 TYRC080R		Equivalent volume at 0 daPa, right ear (ml)	See note
	275	0.243-4.556	
	151	88888 Blank but applicable	
	2170	Blank	
2673-2677 TYRC081R		Equivalent volume at 5 daPa, right ear (ml)	See note
	275	0.297-4.586	
	151	88888 Blank but applicable	
	2170	Blank	
2678-2682 TYRC082R		Equivalent volume at 10 daPa, right ear (ml)	See note
	275	0.297-004.6	
	151	88888 Blank but applicable	
	2170	Blank	
2683-2687 TYRC083R		Equivalent volume at 15 daPa, right ear (ml)	See note
	275	0.338-4.549	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2688-2692 TYRC084R		Equivalent volume at 20 daPa, right ear (ml)	See note
	275	0.369-4.522	
	151	88888 Blank but applicable	
	2170	Blank	
2693-2697 TYRC085R		Equivalent volume at 25 daPa, right ear (ml)	See note
	275	0.352-4.505	
	151	88888 Blank but applicable	
	2170	Blank	
2698-2702 TYRC086R		Equivalent volume at 30 daPa, right ear (ml)	See note
	275	0.426-4.502	
	151	88888 Blank but applicable	
	2170	Blank	
2703-2707 TYRC087R		Equivalent volume at 35 daPa, right ear (ml)	See note
	275	0.419-4.509	
	151	88888 Blank but applicable	
	2170	Blank	
2708-2712 TYRC088R		Equivalent volume at 40 daPa, right ear (ml)	See note
	275	0.487-4.529	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2713-2717 TYRC089R		Equivalent volume at 45 daPa, right ear (ml)	See note
	275	0.527-4.536	
	151	88888 Blank but applicable	
	2170	Blank	
2718-2722 TYRC090R		Equivalent volume at 50 daPa, right ear (ml)	See note
	275	00.56-4.536	
	151	88888 Blank but applicable	
	2170	Blank	
2723-2727 TYRC091R		Equivalent volume at 55 daPa, right ear (ml)	See note
	275	0.632-4.488	
	151	88888 Blank but applicable	
	2170	Blank	
2728-2732 TYRC092R		Equivalent volume at 60 daPa, right ear (ml)	See note
	275	00.52-4.475	
	151	88888 Blank but applicable	
	2170	Blank	
2733-2737 TYRC093R		Equivalent volume at 65 daPa, right ear (ml)	See note
	275	0.621-4.481	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2738-2742 TYRC094R		Equivalent volume at 70 daPa, right ear (ml)	See note
	275	0.653-4.481	
	151	88888 Blank but applicable	
	2170	Blank	
2743-2747 TYRC095R		Equivalent volume at 75 daPa, right ear (ml)	See note
	275	0.541-4.495	
	151	88888 Blank but applicable	
	2170	Blank	
2748-2752 TYRC096R		Equivalent volume at 80 daPa, right ear (ml)	See note
	275	0.517-4.502	
	151	88888 Blank but applicable	
	2170	Blank	
2753-2757 TYRC097R		Equivalent volume at 85 daPa, right ear (ml)	See note
	275	0.729-4.488	
	151	88888 Blank but applicable	
	2170	Blank	
2758-2762 TYRC098R		Equivalent volume at 90 daPa, right ear (ml)	See note
	275	00.68-4.471	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2763-2767 TYRC099R		Equivalent volume at 95 daPa, right ear (ml)	See note
	275	0.601-4.475	
	151	88888 Blank but applicable	
	2170	Blank	
2768-2772 TYRC100R		Equivalent volume at 100 daPa, right ear (ml)	See note
	275	0.597-4.481	
	151	88888 Blank but applicable	
	2170	Blank	
2773-2777 TYRC101R		Equivalent volume at 105 daPa, right ear (ml)	See note
	275	0.625-4.492	
	151	88888 Blank but applicable	
	2170	Blank	
2778-2782 TYRC102R		Equivalent volume at 110 daPa, right ear (ml)	See note
	275	0.635-4.461	
	151	88888 Blank but applicable	
	2170	Blank	
2783-2787 TYRC103R		Equivalent volume at 115 daPa, right ear (ml)	See note
	275	0.614-4.475	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2788-2792 TYRC104R		Equivalent volume at 120 daPa, right ear (ml)	See note
	275	0.611-4.475	
	151	88888 Blank but applicable	
	2170	Blank	
2793-2797 TYRC105R		Equivalent volume at 125 daPa, right ear (ml)	See note
	275	0.639-4.465	
	151	88888 Blank but applicable	
	2170	Blank	
2798-2802 TYRC106R		Equivalent volume at 130 daPa, right ear (ml)	See note
	275	0.253-4.475	
	151	88888 Blank but applicable	
	2170	Blank	
2803-2807 TYRC107R		Equivalent volume at 135 daPa, right ear (ml)	See note
	275	0.611-4.454	
	151	88888 Blank but applicable	
	2170	Blank	
2808-2812 TYRC108R		Equivalent volume at 140 daPa, right ear (ml)	See note
	275	0.583-4.461	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2813-2817 TYRC109R		Equivalent volume at 145 daPa, right ear (ml)	See note
	275	0.562-4.478	
	151	88888 Blank but applicable	
	2170	Blank	
2818-2822 TYRC110R		Equivalent volume at 150 daPa, right ear (ml)	See note
	275	0.607-4.475	
	151	88888 Blank but applicable	
	2170	Blank	
2823-2827 TYRC111R		Equivalent volume at 155 daPa, right ear (ml)	See note
	275	0.611-4.461	
	151	88888 Blank but applicable	
	2170	Blank	
2828-2832 TYRC112R		Equivalent volume at 160 daPa, right ear (ml)	See note
	275	0.573-4.478	
	151	88888 Blank but applicable	
	2170	Blank	
2833-2837 TYRC113R		Equivalent volume at 165 daPa, right ear (ml)	See note
	275	0.614-4.451	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2838-2842 TYRC114R		Equivalent volume at 170 daPa, right ear (ml)	See note
	275	0.614-4.437	
	151	88888 Blank but applicable	
	2170	Blank	
2843-2847 TYRC115R		Equivalent volume at 175 daPa, right ear (ml)	See note
	275	0.642-04.42	
	151	88888 Blank but applicable	
	2170	Blank	
2848-2852 TYRC116R		Equivalent volume at 180 daPa, right ear (ml)	See note
	275	0.407-04.42	
	151	88888 Blank but applicable	
	2170	Blank	
2853-2857 TYRC117R		Equivalent volume at 185 daPa, right ear (ml)	See note
	275	0.466-4.451	
	151	88888 Blank but applicable	
	2170	Blank	
2858-2862 TYRC118R		Equivalent volume at 190 daPa, right ear (ml)	See note
	275	0.573-4.434	
	151	88888 Blank but applicable	
	2170	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 TYMPANOMETRY

TYMPANOGRAM DATA POINTS: LEFT EAR

Positions SAS name	Counts	Item description and code	Notes
2863-2867 TYRC119R		Equivalent volume at 195 daPa, right ear (ml)	See note
	275	0.611-4.427	
	151	88888 Blank but applicable	
	2170	Blank	
2868-2872 TYRC120R		Equivalent volume at 200 daPa, right ear (ml)	See note
	275	0.604-4.427	
	151	88888 Blank but applicable	
	2170	Blank	
2873-2877 TYRTECH		Examiner	
	390	01001-09018	
	36	88888 Blank but applicable	
	2170	Blank	

NOTES

TYRC000L-TYRC120L and TYRC000R-TYRC120R: Equivalent volume at various pressures, left and right ears

Use the following SAS code, or a similar process in another programming language, to obtain plots of compliance (y) versus pressure (x) for left and right ear data for each examinee (identified by SEQN) in a data set. Note that the use of name-range variable lists in the array statements assumes that the variables are ordered as shown in the data file code book. Variations in ordering for the specified variables will result in errors.

```
ARRAY LCOMPL (121) TYRC000L--TYRC120L;
ARRAY RCOMPL (121) TYRC000R--TYRC120R;
  J=200;          *start pressure values at 200 daPa;
  DO I=1 TO 121;
    LCOMPLY=LCOMPL(I);
    RCOMPLY=RCOMPL(I);
    PRESSURE=J; *associate a pressure value with compliance;
  OUTPUT;
  J=J-5;        *decrease pressure by 5 daPa for next point;
  END;
PROC SORT; BY SEQN;
PROC PLOT; BY SEQN;
  PLOT LCOMPLY*PRESSURE;
  PLOT RCOMPLY*PRESSURE;
```

SPIROMETRY

Lung function testing (spirometry) was conducted on examinees aged eight years and older by a trained technician in the mobile examination center (MEC). It also was conducted at the home of examinees aged 60 and over who were unwilling or unable to come to the MEC. Before testing, screening questions were asked to determine medical safety exclusions. Those excluded from testing were examinees who had undergone chest or abdominal surgery within three weeks or had experienced heart problems (myocardial infarction or heart attack, angina or chest pain, congestive heart failure) within six weeks before the MEC exam.

To determine which subjects were home examinees, the DMPSTAT variable (3=home-examined) should be used. When analyzing data for combined home-examined and MEC-examined subjects, the combined MEC- plus home-examined sample weights should be used (WTPFH6). When using only MEC items or measures, the MEC examination sample weights should be used (WTPFEX6). For more information on the use of sample weights in NHANES III data analysis, refer to the Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

Spirometry is a widely used test of lung function that measures both the volume of air in the lung and how quickly a person can move the air out of the lung. A testing session consisted of repeated forced vital capacity (FVC) maneuvers. Each maneuver required the examinee to take the deepest possible breath and exhale into a spirometer as hard, fast, and completely as possible. The spirometer recorded the volume of air exhaled as a function of time from which a number of parameters were measured. Each examinee attempted to perform at least five FVC maneuvers.

The testing procedure was explained and demonstrated to each examinee by a spirometry technician. The computer provided immediate feedback on the examinee's effort, and the technician used that information to actively coach the examinee through each trial.

For a maneuver to be acceptable, it had to be a maximal exhalation free from a cough, excessive hesitation, a leak, an obstructed mouthpiece, variable effort, or early termination. An additional goal was that the examinee have a sufficient number of trials to demonstrate that the FVC and forced expiratory volume (FEV1) values were reproducible.

Aside from using a different type of spirometer flow-type (see SPRTYPE) in home examinations, technicians used procedures comparable to those used in the MEC. Therefore, the home spirometry values were incorporated into the MEC spirometry measures data set. Refer to the Spirometry Examination Manual (U.S. DHHS, 1996b) and the Home Exam Manual (U.S. DHHS, 1996b) for descriptions of data collection procedures and methods. Testing procedures met the recommendations of the American Thoracic Society (American Thoracic Society, 1987).

The National Institute for Occupational Safety and Health (NIOSH) served as the spirometry quality control center. Each spirometry technician received at least one week of formal training and

satisfactorily completed a NIOSH-approved course on spirometry. Additionally, spirometry data were reviewed by the quality control center at the completion of each location, and technicians received continuous feedback on their performance.

Data processing and editing were performed to ensure internal data consistency. Notes have been provided for variables requiring additional explanation.

NHANES III Examination Data File

SECOND EXAM DATA

SPIROMETRY

SCREENING QUESTIONS

Positions SAS name	Counts	Item description and code	Notes
2878 SPRQ1		In the past three weeks have you had any surgery on your chest or abdomen?	
	2	1 Yes (End)	
	2076	2 No	
	444	8 Blank but applicable	
	74	Blank	
2879 SPRQ2		Have you been hospitalized for a heart problem (i.e., heart attack, angina or chest pain, congestive heart failure) within the past six weeks?	
	3	1 Yes (End)	
	2074	2 No	
	445	8 Blank but applicable	
	74	Blank	
2880 SPRQ3		Have you smoked a cigarette, eaten a heavy meal, or used any medications to help your breathing in the past hour?	
	64	1 Yes	
	2008	2 No	
	445	8 Blank but applicable	
	79	Blank	
2881 SPRQ4		In the past few days have you had a cough, cold, or other acute illness?	
	360	1 Yes	
	1712	2 No	
	445	8 Blank but applicable	
	79	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

SPIROMETRY

SCREENING QUESTIONS

Positions SAS name	Counts	Item description and code	Notes
2882 SPRQ5		In the past three weeks have you had any respiratory infections, such as flu, pneumonia, bronchitis, or a severe cold?	
	98	1 Yes	
	1974	2 No	
	445	8 Blank but applicable	
	79	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

SCREENING QUESTIONS

Positions		Item description	
SAS name	Counts	and code	Notes

	2883		Position for home examination
HXREJ6A2	453	1	Standing
	31	2	Sitting
	249	8	Blank but applicable
	1863		Blank

NHANES III Examination Data File

SECOND EXAM DATA

SPIROMETRY

DATA

Positions SAS name	Counts	Item description and code	Notes
2884-2888 SPRTECH1		Examiner number - from spirometry data file	
	2209	01001-09018	
	308	88888 Blank but applicable	
	79	Blank	
2889-2890 SPRTRIAL		Number of forced vital capacity (FVC) trials attempted	See note
	28	00 Zero	
	2192	01-14	
	297	88 Blank but applicable	
	79	Blank	
2891-2895 SPRPEAK		Peak expiratory flow, largest value (ml)	See note
	2177	00899-16190	
	340	88888 Blank but applicable	
	79	Blank	
2896-2899 SPRFEV05		Forced expiratory volume (FEV) at 0.5 second, largest value (ml)	See note
	1569	0392-4637	
	948	8888 Blank but applicable	
	79	Blank	
2900-2903 SPRFEV1		FEV1 at 1.0 second, largest value (ml)	See note
	2187	0486-6345	
	330	8888 Blank but applicable	
	79	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

SPIROMETRY

DATA

Positions SAS name	Counts	Item description and code	Notes
2904-2908 SPRFEV3	1569	FEV3 at 3.0 seconds, largest value (ml) 00617-06900	See note
	948	88888 Blank but applicable	
	79	Blank	
2909-2913 SPRFEV6	1569	FEV6 at 6.0 seconds, largest value (ml) 00617-07092	See note
	948	88888 Blank but applicable	
	79	Blank	
2914-2918 SPRFVC	2187	FVC, largest value (ml) 00618-07218	See note
	330	88888 Blank but applicable	
	79	Blank	
2919-2923 SPRMMEF	1569	Maximum mid-expiratory flow (ml/sec best curve) 00196-07051	See note
	948	88888 Blank but applicable	
	79	Blank	
2924 SPRTYPE	1569	Spirometer type 1 MEC exam, NIOSH volume spirometer	See note
	83	2 Home exam, MultiSpiro flow spirometer	
	217	3 Home exam, Riko flow spirometer	
	318	4 Home exam, NIOSH flow spirometer	
	330	8 Blank but applicable	
	79	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

SPIROMETRY

DATA

Positions SAS name	Counts	Item description and code	Notes
2925 SPRREPRO	5	Reproducibility code 0 Test unusable	See note
	132	1 FVC not reproducible	
	22	2 FEV1 not reproducible	
	35	3 Neither FVC nor FEV1 reproducible	
	1993	4 Both FVC and FEV1 reproducible	
	330	8 Blank but applicable	
	79	Blank	
2926 SPRRELIA	2284	Review evaluation 1 Test reliable	See note
	233	8 Blank but applicable	
	79	Blank	
2927-2928 SPRMANEU	33	Number of acceptable trials 00 Zero	See note
	2187	01-14	
	297	88 Blank but applicable	
	79	Blank	
2929-2933 SPRTIME	1569	Time of day test was conducted (hh:mm) 08:32-20:54	
	948	88888 Blank but applicable	
	79	Blank	
2934-2935 SPREXPIR	2108	Expiratory time of trial with largest FVC (sec) 01-25	See note
	409	88 Blank but applicable	
	79	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

SPIROMETRY

DATA

Positions SAS name	Counts	Item description and code	Notes
2936-2939 SPRFEF75	1569	FEF at 75% of FVC (ml) 0076-3542	See note
	948	8888 Blank but applicable	
	79	Blank	
2940-2941 SPRTEMP	2128	Spirometer internal temperature (Celsius) 12-35	See note
	389	88 Blank but applicable	
	79	Blank	

NOTES

SPREXPIR: Expiratory time of the trial with the largest forced vital capacity (FVC)(sec)

The time (seconds) it took to reach the largest FVC.

SPRFEF75: Flow at 75% of FVC (ml/second)

This was the flow rate (ml/second) at 75% of the FVC. Values were obtained from the "best curve" or the curve with the largest sum of FEV1 plus FVC.

SPRFEV05: Forced expiratory volume (FEV) at 0.5 seconds (ml)

The volume (ml) of air exhaled during the first 0.5 second of a forced vital capacity maneuver. The volume reported is the largest volume achieved from all acceptable FVC maneuvers.

SPRFEV1: Forced expiratory volume at 1 second (ml)

The volume (ml) of air exhaled during the first second of a forced vital capacity maneuver. The volume reported is the largest volume achieved from all acceptable FVC maneuvers.

SPRFEV3: Forced expiratory volume at 3 seconds (ml)

The volume (ml) of air exhaled during the first three seconds of a forced vital capacity maneuver. The volume reported is the largest volume achieved from all acceptable FVC maneuvers.

SPRFEV6: Forced expiratory volume at six seconds (ml)

The volume (ml) of air exhaled during the first six seconds of a forced vital capacity maneuver. The volume reported is the largest volume achieved from all acceptable FVC maneuvers.

SPRFVC: Forced vital capacity, largest value (ml)

The total volume (ml) of air exhaled during a forced vital capacity maneuver. The volume reported is the largest volume achieved from all acceptable FVC maneuvers.

SPRMANEU: Number of acceptable trials

The number of FVC maneuvers that met the ATS acceptability criteria.

SPRMMEF: Maximum mid-expiratory flow (ml/second best curve)

The mean forced expiratory flow during the middle half of the FVC maneuver. Values were obtained from the "best curve" defined as the curve with the highest sum of FVC and FEV1.

SPRPEAK: Peak expiratory flow (ml/second)

The maximum expiratory flow (ml/sec) observed from all acceptable FVC maneuvers.

SPRRELIA: Test evaluation

All tests were reviewed by two senior quality technicians at the spirometry quality control center and classified for reliability. Tests deemed unreliable should not be used because the quality technicians determined that the results were of insufficient quality to be usable.

SPRREPRO: Reproducibility code

In accordance with ATS guidelines, all unacceptable maneuvers were excluded before the reproducibility calculations were performed. The goal during test performance was to obtain a reproducible FVC (largest FVC and second largest FVC within 5%) and a reproducible FEV1 (largest FEV1 and second largest FEV1 within 5%). The reproducibility code indicates whether a reproducible FVC and/or FEV1 was obtained.

SPRTEMP: Spirometer internal temperature (Celsius)

This was the internal temperature inside the spirometer measured at the end of the FVC maneuver.

SPRTRIAL: Number of forced vital capacity (FVC) trials attempted

This was the total number of forced vital capacity maneuvers attempted by the sample person.

SPRTYPE: Spirometer type

Four different types of spirometers were used; one type was used in MEC spirometry exams, and three different types were used in home spirometry exams. The MEC spirometers (type=1) were customized, Ohio 822 or 827, dry, rolling-seal spirometers and were interfaced to a microcomputer. For home spirometry, the three types of flow spirometers used were: MultiSpiro (type=2), Riko model AS-600 (type=3), and NIOSH (type=4). The MultiSpiro- and Riko-brand spirometers produced paper tracings with digital readings of FVC and FEV1. These spirometers provided neither quality assessments of the subject's effort nor some of the spirometry variables measured in the MEC. The NIOSH flow

spirometer measured all of the parameters measured by the MEC spirometer and provided a display of the subject's flow-volume curve with a computer-determined quality assessment equivalent to the assessment provided by the spirometer used in the MEC.

MEC YOUTH QUESTIONNAIRE (Except DIS)

The MEC Youth Questionnaire was administered to examinees aged 8-16 years in the mobile examination center (MEC). Conducted by a trained interviewer, the automated questionnaire was administered in a private setting to ensure confidentiality due to the sensitive nature of some of the sections. In the Second Exam Sample, the questionnaire included sections on physical activity, tobacco use, reproductive health, selected conditions, medicine/vitamin usage, alcohol/drug use, and the Diagnostic Interview Schedule (DIS). Because this component was administered in the examination center, the MEC examination sample weight (WTPFEX6) should be used for data analysis. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

Several portions of the questionnaire were asked only of specific age or gender groups, and check items are included as variables in this file to indicate these subgroups. For example, reproductive health was asked of boys aged 15-16 years and girls aged 10-16 years. Medicine/vitamin use, and alcohol/drug use were asked of boys and girls aged 12-16 years. The DIS was asked of adolescents aged 15-16 years. The DIS was edited and documented separately (see Diagnostic Interview Schedule).

A subset of questions from the MEC Youth Questionnaire were administered as the MEC Proxy Questionnaire to the parents or guardians of children aged 2 months-11 years. Questions on medicine, vitamin, and mineral usage, selected health conditions, and WIC program participation from the two questionnaires can be combined for an analysis of youths 2 months-16 years of age (see MEC Proxy Questionnaire).

Data processing and editing were performed for consistency of responses within the sections of the questionnaire. Notes have been provided for variables that were standardized or recoded or those that require additional comments. The notes reference the questions, by section and number, from the questionnaires which can be found in the Plan and Operation of the National Health and Nutrition Examination Survey, 1988-1994 (NCHS, 1994; U.S. DHHS, 1996b).

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION A. ACTIVITY

Positions		Item description	
SAS name	Counts	and code	Notes

2942-2943		How many times per week do you	
MYRA1		play or exercise enough to make you	
		sweat and breathe hard?	
	21	01	
	40	02	
	51	03	
	16	04	
	44	05	
	11	06	
	42	07	
	23	08	Eight or more
	24	77	Less than once per week
	17	88	Blank but applicable
	1	99	Don't know
	2306	Blank	

2944		In the past year, how many sport	
MYRA2		teams or organized exercise programs	
		have you been involved in? Do not	
		include physical education or gym	
		classes.	
	132	0	No teams/programs
	49	1	
	46	2	
	27	3	
	7	4	
	10	5	Five or more
	17	8	Blank but applicable
	2	9	Don't know
	2306	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION A. ACTIVITY

Positions SAS name	Counts	Item description and code	Notes
	2945	About how many hours did you watch TV yesterday?	
MYRA3	26	0 None	
	57	1 About one hour	
	57	2 About two hours	
	38	3 About three hours	
	29	4 About four hours	
	56	5 About five hours or more	
	9	7 Less than one half hour	
	17	8 Blank but applicable	
	1	9 Don't know	
	2306	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION B. TOBACCO

Positions SAS name	Counts	Item description and code	Notes
2946 MYRB1		Have you smoked at least 1 cigarette?	
	63	1 Yes	
	210	2 No (MYRB15)	
	17	8 Blank but applicable	
	2306	Blank	
2947-2948 MYRB2		At what age did you smoke your first cigarette?	
	63	05-15	
	17	88 Blank but applicable	
	2516	Blank	
2949 MYRB3		Have you smoked at least 100 cigarettes during your entire life (approximately 5 packs)?	
	16	1 Yes	
	47	2 No (MYRB11)	
	17	8 Blank but applicable	
	2516	Blank	
2950-2951 MYRB4		How old were you when you first started smoking cigarettes fairly regularly?	
	1	00 Never smoked regularly	
	2	11	
	2	12	
	4	13	
	3	14	
	4	15	
	17	88 Blank but applicable	
	2563	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION B. TOBACCO

Positions SAS name	Counts	Item description and code	Notes
2952 MYRB5	15	Do you smoke cigarettes now? 1 Yes	
	1	2 No (MYRB12)	
	17	8 Blank but applicable	
	2563	Blank	
2953-2954 MYRB6R		About how many cigarettes do you smoke per day?	See note
	1	01	
	2	02	
	2	04	
	4	05	
	1	06	
	1	07	
	1	08	
	1	10	
	2	15	
	17	88 Blank but applicable	
	2564	Blank	
2955-2956 MYRB7R		For approximately how many years have you smoked this amount?	See note
	3	01	
	5	02	
	2	03	
	1	04	
	4	77 Less than one year	
	17	88 Blank but applicable	
	2564	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION B. TOBACCO

Positions SAS name	Counts	Item description and code	Notes
2957 MYRB8		Was there ever a period of a year or more when you smoked more than (NUMBER IN MYRB6) cigarettes per day?	
	6	1 Yes	
	9	2 No (MYRB10)	
	17	8 Blank but applicable	
	2564	Blank	
2958-2959 MYRB9S		During the period when you were smoking the most, about how many cigarettes per day did you usually smoke?	See note
	1	10	
	3	20	
	2	40	
	17	88 Blank but applicable	
	2573	Blank	
2960 MYRB10		Have you ever quit smoking for a period of one year or longer?	
	3	1 Yes	
	12	2 No	
	17	8 Blank but applicable	
	2564	Blank	
2961-2963 MYRB11		How many cigarettes have you smoked in the past 5 days?	
	42	000 None (MYRB15)	
	20	001-100 (MYRB15)	
	17	888 Blank but applicable	
	2517	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION B. TOBACCO

Positions SAS name	Counts	Item description and code	Notes
2964-2965 MYRB12		About how old were you when you last smoked cigarettes (fairly regularly)?	
	1	14	
	2595	Blank	
2966-2967 MYRB13S		About how many cigarettes per day did you usually smoke?	See note
	1	12	
	2595	Blank	
2968 MYRB14		Did you quit smoking because you had a health problem that was caused or made worse by smoking?	
	1	2 No	
	2595	Blank	
2969 MYRB15		Have you ever tried chewing tobacco or snuff?	
	12	1 Yes	
	261	2 No (MYRB27A)	
	17	8 Blank but applicable	
	2306	Blank	
2970-2971 MYRB16		At what age did you first try chewing tobacco or snuff? (IF USED BOTH, ENTER EARLIEST AGE)	
	12	03-14	
	17	88 Blank but applicable	
	2567	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION B. TOBACCO

Positions SAS name	Counts	Item description and code	Notes
2972 MYRB17		Have you ever used 5 or more containers in your entire life? (IF USED BOTH, COUNT TOTAL NUMBER)	
	1	1 Yes	
	11	2 No (MYRB27A)	
	17	8 Blank but applicable	
	2567	Blank	
2973-2974 MYRB18		At what age did you first start using chewing tobacco or snuff fairly regularly? (IF USED BOTH, ENTER EARLIEST AGE)	
	1	11	
	17	88 Blank but applicable	
	2578	Blank	
2975 MYRB19		Do you use chewing tobacco or snuff now?	
	1	2 No (MYRB24)	
	17	8 Blank but applicable	
	2578	Blank	
2976 MYRB20		Which - chewing tobacco or snuff?	
	17	8 Blank but applicable	
	2579	Blank	
2977 MYRB21AS		How many containers of chewing tobacco do you use per week?	See note
	17	8 Blank but applicable	
	2579	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION B. TOBACCO

Positions SAS name	Counts	Item description and code	Notes
2978 MYRB21CS		How many containers of snuff do you use per week?	See note
	17	8 Blank but applicable	
	2579	Blank	
		Where in your mouth do you usually place the (chewing tobacco/snuff?) (IF BOTH USED, INDICATE MOST COMMON SPOT WHERE TOBACCO WAS PLACED)	
2979 MYRB22A		a. in the right side, left side, or front of your mouth.	
	17	8 Blank but applicable	
	2579	Blank	
2980 MYRB22B		b. in the top or bottom of your mouth?	
	17	8 Blank but applicable	
	2579	Blank	
2981 MYRB23		How many containers of chewing tobacco or snuff have you used in the past 5 days?	
		(IF BOTH USED, ENTER TOTAL NUMBER)	
	17	8 Blank but applicable	
	2579	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION B. TOBACCO

Positions SAS name	Counts	Item description and code	Notes
2982-2983 MYRB24		About how old were you when you last used chewing tobacco or snuff (fairly regularly)? (IF BOTH USED, RECORD OLDEST AGE)	
	1	12	
	2595	Blank	
2984 MYRB25		Which did you use - chewing tobacco or snuff?	
	1	2 Snuff	
	2595	Blank	
2985 MYRB26		Did you quit using (chewing tobacco/snuff) because you had a health problem that was caused or made worse by using (it/them)?	
	1	2 No	
	2595	Blank	
2986 MYRB27A		How many pipes have you smoked in the past 5 days?	
	273	0 None	
	17	8 Blank but applicable	
	2306	Blank	
2987 MYRB27B		How many cigars have you smoked in the past 5 days?	
	273	0 None	
	17	8 Blank but applicable	
	2306	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION B. TOBACCO

Positions SAS name	Counts	Item description and code	Notes
2988		CHECK ITEM. REFER TO AGE OF SP.	
MYRB28	131	1 Under 12 years (MYRC1A)	
	159	2 12 or more years (MYRB29)	
	2306	Blank	
2989		How many pieces of nicotine gum have you chewed in the past 5 days? (Nicotine gum is a sugar-free flavored chewing gum prescribed by a doctor to help people stop smoking or chewing tobacco.)	
MYRB29	147	0 None	
	1	2 No	
	11	8 Blank but applicable	
	2437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION C. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
2990 MYRC1A		CHECK ITEM. REFER TO AGE AND SEX OF SP.	
	29	1 Female less than 10 years (MYRH1)	
	118	2 Female 10 or more years	
	73	3 Male less than 12 years (MYRH1)	
	44	4 Male 12-14 years old (MYRD1)	
	26	5 Male 15-16 years (MYRC27R)	
	2306	Blank	
2991-2992 MYRC2		How old were you when your periods or menstrual cycles started?	
	31	00 Haven't started yet (MYRC26)	
	2	09	
	9	10	
	26	11	
	26	12	
	14	13	
	2	14	
	8	88 Blank but applicable	
	2478	Blank	
2993-2994 MYRC3		About how long ago was your last period?	
	8	01 Having it now	
	66	02 Less than 2 months ago	
	2	03 2-3 months ago	
	2	04 4-6 months ago	
	1	07 More than 12 months ago	
	8	88 Blank but applicable	
	2509	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION C. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
2995 MYRC4		CHECK ITEM. REFER TO AGE OF SP. MARK FIRST APPLICABLE BOX.	
	6	1 Female less than 12 years (MYRH1)	
	81	2 Female 12 or more years	
	2509	Blank	
2996 MYRC5		Have you ever taken birth control pills for any reason?	
	10	1 Yes	
	64	2 No (MYRC10)	
	7	8 Blank but applicable	
	2515	Blank	
2997-2998 MYRC6		How old were you when you began taking birth control pills?	
	3	13	
	1	14	
	1	15	
	5	16	
	7	88 Blank but applicable	
	2579	Blank	
2999-3000 MYRC7S		How many months ago did you stop taking birth control pills or are you still taking them?	See note
	8	00 Still taking now	
	1	04	
	1	10	
	7	88 Blank but applicable	
	2579	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION C. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes

3001-3002 MYRC8S		Not counting any time when you stopped taking them, for how many months altogether (have you taken/did you take) birth control pills?	See note
	9	01-36	
	1	77 Less than one month	
	7	88 Blank but applicable	
	2579	Blank	
3003-3005 MYRC9R		If more than one year ago in MYRC7, go to MYRC10. Otherwise show oral contraceptives chart and ask: Please look at this chart and show me the brand of pills you (are/were) using.	See note
	10	104-213	
	7	888 Blank but applicable	
	2579	Blank	
3006 MYRC10		Have you ever been pregnant? Please include miscarriages, stillbirths, tubal pregnancies, abortions, live births, and current pregnancy.	
	5	1 Yes	
	69	2 No (MYRC26)	
	7	8 Blank but applicable	
	2515	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION C. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3007 MYRC11		How many times have you been pregnant? Again, be sure to count all your pregnancies, whether they ended in miscarriage, stillbirth, tubal pregnancy, abortion, or live birth. (Include current pregnancy.)	
	4	1	
	1	2	
	7	8 Blank but applicable	
	2584	Blank	
3008 MYRC12		What is the total number of live births (live-born children) you have had?	
	2	0 None (MYRC17)	
	3	1 (MYRC14)	
	7	8 Blank but applicable	
	2584	Blank	
3009-3010 MYRC13R		How old were you at the time of your first live birth?	See note
	3	16	
	7	88 Blank but applicable	
	2586	Blank	
3011-3012 MYRC14		How old were you at the time of your last live birth?	
	3	16	
	7	88 Blank but applicable	
	2586	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION C. REPRODUCTIVE HEALTH

Positions		Item description		
SAS name	Counts	and code		Notes

3013		Did you breastfeed (your		
MYRC15		child/any of your children)?		
	1	1 Yes		
	2	2 No (MYRC17)		
	7	8 Blank but applicable		
	2586	Blank		

3014		(Did you breastfeed your		
MYRC16		child/how many of your children did		
		you breastfeed) for at least one		
		month?		
	1	1		
	7	8 Blank but applicable		
	2588	Blank		

3015		MARK BOX IF KNOWN. Are you now		
MYRC17		pregnant?		
	2	1 Yes		
	3	2 No (MYRC19)		
	7	8 Blank but applicable		
	2584	Blank		

3016-3017		Which month of pregnancy are		
MYRC18		you in?		
	1	03		
	1	04		
	7	88 Blank but applicable		
	2587	Blank		

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION C. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3018 MYRC19		MARK IF KNOWN, OTHERWISE, ASK: (Besides this pregnancy) have you been pregnant in the past 2 years?	
	2	1 No - current pregnancy only (MYRC21)	
	3	2 Yes - excluding current pregnancy (MYRC20)	
	7	8 Blank but applicable	
	2584	Blank	
3019 MYRC20		How many months ago did your (last) pregnancy end?	
	3	2 4 to less than 7 months ago	
	2593	Blank	
3020 MYRC21		Did you receive benefits from WIC, that is, the Women, Infants, and Children program, in the past 12 months?	
	2	1 Yes	
	1	2 No (MYRC24)	
	2	8 Blank but applicable	
	2591	Blank	
3021 MYRC22		Are you now receiving benefits from the WIC program?	
	1	1 Yes	
	1	2 No	
	2594	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION C. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3022-3023 MYRC23S		How many months (did you receive\ have you been receiving) benefits from the WIC program?	See note
	1	07	
	1	12	
	2594	Blank	
3024 MYRC24		CHECK ITEM. REFER TO MYRC12.	
	2	1 No live births in MYRC12 (MYRC26) MYRC12=1 for only 3 cases 7 are BBA (8-fill) MYRC24=2 should only have a count of 3 with 7 BBA (8 fil	
	10	2 One or more live births in MYRC12	
	2584	Blank	
3025 MYRC25		Are you now breastfeeding a child?	
	3	2 No	
	7	8 Blank but applicable	
	2586	Blank	
3026 MYRC26		CHECK ITEM. REFER TO AGE OF SP AND TO MYRC10.	
	84	1 Female 10 -14 (MYRD1)	
	5	2 15-16 years and "Y" in MYRC10 (MYRC28)	
	23	3 15-16 years and "N" or "Other" in MYRC10 (MYRC27)	
	2484	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION C. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
In order to get a more complete picture of the health of the population, we are asking about sexual experience. As I mentioned, your answers are completely confidential.			
3027 MYRC27R	31	Have you ever had sexual intercourse?	See note
	17	1 Yes	
	6	2 No	
	2542	8 Blank but applicable	
		Blank	
3028-3029 MYRC28		At what age did you first have sexual intercourse?	See note
	1	06	
	2	07	
	1	10	
	3	12	
	6	13	
	9	14	
	7	15	
	2	16	
	6	88 Blank but applicable	
	2559	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION D. SELECTED CONDITIONS/VITAMIN, MINERAL, AND MEDICINE USAGE

Positions		Item description	
SAS name	Counts	and code	Notes

3030		Are you now or in the past	
MYRD1		3 months have you been on treatment	
		for anemia, sometimes called "tired	
		blood" or "low blood"? (Include	
		diet, iron pills, iron shots,	
		transfusions as treatment.)	
	2	1 Yes	
	147	2 No	
	10	8 Blank but applicable	
	2437	Blank	

3031-3032		How many colds, flu, diarrhea,	
MYRD2		vomiting, pneumonia, and ear	
		infections have you had in the past	
		4 weeks?	
	99	00 None	
	41	01	
	4	02	
	2	04	
	1	05	
	1	07	
	1	12	
	10	88 Blank but applicable	
	2437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION D. SELECTED CONDITIONS/VITAMIN, MINERAL, AND MEDICINE USAGE

Positions		Item description	
SAS name	Counts	and code	Notes

3033		Have you taken or used any antihistamine medicines in the past two days? (Antihistamines are medicines taken for symptoms like sneezing, and a runny or itchy nose.)	
MYRD3	5	1 Yes	
	144	2 No	
	10	8 Blank but applicable	
	2437	Blank	

3034		Prescription medicines are medicines that cannot be obtained without a doctor's or dentist's prescription. Have you taken any prescription medicines during the past 24 hours?	
MYRD4	14	1 Yes	
	135	2 No	
	10	8 Blank but applicable	
	2437	Blank	

3035		Have you taken any vitamins or minerals during the past 24 hours?	
MYRD5	10	1 Yes	
	139	2 No	
	10	8 Blank but applicable	
	2437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION E. DIET

Positions SAS name	Counts	Item description and code	Notes
3036 MYRE1		How often do you eat breakfast - every day, on some days, rarely, never, or on weekends only?	
	56	1 Every day	
	56	2 Some days	
	20	3 Rarely	
	1	4 Never	
	16	5 Weekends only	
	10	8 Blank but applicable	
	2437	Blank	
3037 MYRE2		Do you consider yourself to be overweight, underweight, or about the right weight?	
	44	1 Overweight	
	14	2 Underweight	
	91	3 About the right weight	
	10	8 Blank but applicable	
	2437	Blank	
3038 MYRE3		Would you like to weigh more, less, or stay about the same?	
	30	1 More	
	61	2 Less	
	58	3 Stay about the same	
	10	8 Blank but applicable	
	2437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION E. DIET

Positions SAS name	Counts	Item description and code	Notes
3039 MYRE4		During the past 12 months have you tried to lose weight?	
	44	1 Yes	
	105	2 No (MYRE6)	
	10	8 Blank but applicable	
	2437	Blank	
3040 MYRE5		Are you currently trying to lose weight?	
	31	1 Yes	
	13	2 No	
	10	8 Blank but applicable	
	2542	Blank	
3041 MYRE6		During the past 12 months have you changed what you eat or drink for any medical reason or health condition?	
	6	1 Yes	
	143	2 No (MYRF1)	
	10	8 Blank but applicable	
	2437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION E. DIET

Positions SAS name	Counts	Item description and code	Notes
		What was the medical reason or health condition? Any others?	
3042 MYRE7A		Diet Change Reason - Overweight/Obesity	
	3	1 Yes	
	3	2 No	
	10	8 Blank but applicable	
	2580	Blank	
3043 MYRE7B		Diet Change Reason - High Blood Pressure/Hypertension	
	6	2 No	
	10	8 Blank but applicable	
	2580	Blank	
3044 MYRE7C		Diet Change Reason - High Blood Cholesterol	
	6	2 No	
	10	8 Blank but applicable	
	2580	Blank	
3045 MYRE7D		Diet Change Reason - Heart Disease	
	6	2 No	
	10	8 Blank but applicable	
	2580	Blank	
3046 MYRE7E		Diet Change Reason - Diabetes	
	6	2 No	
	10	8 Blank but applicable	
	2580	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION E. DIET

Positions SAS name	Counts	Item description and code	Notes
3047 MYRE7F		Diet Change Reason - Allergies	
	6	2 No	
	10	8 Blank but applicable	
	2580	Blank	
3048 MYRE7G		Diet Change Reason - Ulcer	
	6	2 No	
	10	8 Blank but applicable	
	2580	Blank	
3049 MYRE7H		Diet Change Reason - Cancer	
	6	2 No	
	10	8 Blank but applicable	
	2580	Blank	
3050 MYRE7I		Diet Change Reason - Pregnancy	
	1	1 Yes	
	5	2 No	
	10	8 Blank but applicable	
	2580	Blank	
3051 MYRE7J		Diet Change Reason - Health In General	
	1	1 Yes	
	5	2 No	
	10	8 Blank but applicable	
	2580	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION E. DIET

Positions		Item description	
SAS name	Counts	and code	Notes
3052		Diet Change Reason -	
MYRE7K		Other	
	2	1 Yes	
	4	2 No	
	10	8 Blank but applicable	
	2580	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION F. ALCOHOL/DRUG USE

Positions SAS name	Counts	Item description and code	Notes
		The next questions are about drinking alcoholic beverages. Alcoholic beverages include beer, ale, wine, wine coolers, liquor such as whiskey, gin, rum, or vodka, and cocktails and mixed drinks containing liquor.	
3053 MYRF1		In your entire life, have you had at least 12 drinks of any kind of alcoholic beverage? Do not count small tastes.	
	37	1 Yes	
	112	2 No (MYRF7)	
	10	8 Blank but applicable	
	2437	Blank	
3054 MYRF2		In the past 12 months did you have at least 12 drinks of any kind of alcoholic beverage?	
	19	1 Yes	
	18	2 No (MYRF7)	
	10	8 Blank but applicable	
	2549	Blank	
3055-3057 MYRF3S		In the past 12 months, on the average, how many days in the past year did you drink any alcoholic beverages?	See note
	17	012-156	
	12	888 Blank but applicable	
	2567	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION F. ALCOHOL/DRUG USE

Positions SAS name	Counts	Item description and code	Notes
3058-3059 MYRF4		On the average, on the days that you drank alcohol, how many drinks did you have a day? (By a drink, I mean a 12-oz beer, a 4-oz glass of wine, or an ounce of liquor.)	
	19	01-12	
	10	88 Blank but applicable	
	2567	Blank	
3060-3062 MYRF5S		In the past 12 months, how many days of the year did you have 9 or more drinks on a single day?	See note
	13	000 None	
	6	003-084	
	10	888 Blank but applicable	
	2567	Blank	
3063-3065 MYRF6S		In the past 12 months, how many days of the year did you have 5 or more drinks on a single day?	See note
	8	000 None	
	11	004-156	
	10	888 Blank but applicable	
	2567	Blank	
3066 MYRF7		Have you ever used marijuana?	
	22	1 Yes	
	127	2 No (MYRF10)	
	10	8 Blank but applicable	
	2437	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION F. ALCOHOL/DRUG USE

Positions		Item description		
SAS name	Counts	and code		Notes

3067		About how many times in your		
MYRF8		lifetime have you used marijuana?		
	7	1	1 or 2 times	
	8	2	3 to 10 times	
	5	3	11 to 99 times	
	2	4	100 or more times	
	10	8	Blank but applicable	
	2564	Blank		

3068-3069		During the past month, on how		
MYRF9		many days did you use marijuana?		
	11	00	None in past month	
	11	01-20		
	10	88	Blank but applicable	
	2564	Blank		

3070		Have you ever used crack or		
MYRF10		cocaine in any form?		
	4	1	Yes	
	145	2	No (MYRH1)	
	10	8	Blank but applicable	
	2437	Blank		

3071		About how many times in your		
MYRF11		lifetime have you used crack or		
		cocaine (in any form)?		
	1	1	1 or 2 times	
	1	2	3 to 10 times	
	1	3	11 to 99 times	
	1	4	100 or more times	
	10	8	Blank but applicable	
	2582	Blank		

NHANES III Examination Data File

SECOND EXAM DATA

MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION F. ALCOHOL/DRUG USE

Positions		Item description	
SAS name	Counts	and code	Notes
	3072	During the past month, on how	
MYRF12		many days did you use crack or	
		cocaine (in any form)?	
	3	0 None in past month	
	1	1	
	10	8 Blank but applicable	
	2582	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC YOUTH QUESTIONNAIRE (EXCEPT DIS)

SECTION H. RESPONDENT

Positions SAS name	Counts	Item description and code	Notes
3073 MYRH1		CHECK ITEM. MARK ONE BOX. MARK MAIN RESPONDENT. SPECIFY RELATIONSHIP OF RESPONDENT TO SP IF OTHER THAN SP.	
	273	1 Sample person (MYREXMNR)	
	17	8 Blank but applicable	
	2306	Blank	
3074 MYRH2		IF OTHER THAN SP. EXPLAIN REASON FOR ACCEPTING PROXY RESPONDENT.	
	2596	Blank	
3075 MYRH3		WAS SP PRESENT DURING ANY PART OF THE INTERVIEW?	
	17	8 Blank but applicable	
	2579	Blank	
3076-3079 MYREXMNR		Interviewer number	
	18	4001	
	17	4002	
	13	4003	
	35	4004	
	116	4005	
	83	4006	
	8	7002	
	2306	Blank	

NOTES

MYRB6R: Number of cigarettes smoked per day

This variable was created from the question B6. The actual number of cigarettes smoked per day and a range of cigarettes smoked per day were the allowable answers. The variable includes the mean number of cigarettes smoked per day derived from the range as well as the actual number of cigarettes smoked per day.

MYRB7R: Years smoked this amount in MYRB6R

This variable was created from the question B7 when the data were not missing. If B7 was missing, this variable used the estimated number of years the respondent smoked the amount reported in B6. The number was derived by subtracting the age that the respondent started smoking regularly from the age at the MEC interview.

MYRB9S: Number of cigarettes per day when smoked the most

This variable was created from the two-part question (quantity and unit) B9 using the conversion factor 20 cigarettes/pack.

MYRB13S: Number of cigarettes per day usually smoked when youth smoked regularly

This variable was created from the two-part question (quantity and unit) B13 using the conversion factor 20 cigarettes/pack.

MYRB21AS: Number of containers of chewing tobacco used per week

This variable was created from the two-part question (quantity and unit) B21 using the conversion factor seven containers/week.

MYRB21CS: Number of containers of snuff used per week

This variable was created from the two-part question (quantity and unit) B21 using the conversion factor seven containers/week.

MYRC7S: Months since stopped taking birth control pills

This variable was created from the two-part question (quantity and unit) C7 using the conversion factor 12 months/year.

MYRC8S: Total number of months took birth control pills

This variable was created from the two-part question (quantity and unit) C8 using the conversion factor 12 months/year.

MYRC9R: Birth control pills codes

This recode was derived to include a listing of all birth control pills that were specified in question C9. It includes both birth control pills with original codes from the chart that the respondents were shown as well as those that were not included on the chart but that were specified by the respondents. See the Appendix in the MEC Adult Questionnaire for the code listing.

MYRC13R: Age at time of first live birth

Question C13 (age at time of first live birth) was only asked of women who had more than one live birth. To prevent redundant questions, women who had one live birth were only asked question C14, "Age at the time of the last live birth." This variable, MYRC13R, was created to include responses for women who had only one live birth and women who had multiple births. For women who had only one live birth, their responses to question C14 were coded into MYRC13R. For women who had multiple births, their responses to question C13 were coded into MYRC13R.

MYRC23S: Number of months received WIC benefits

This variable was created from the two-part question (quantity and unit) C23 using the conversion factor 12 months/year.

MYRC27R: Ever had sexual intercourse

This variable was derived from questions C10 and C27. Respondents who reported a pregnancy (question C10) were not asked whether they had ever had sexual intercourse (question C27) as the response was implicit. Therefore, MYRC27R was coded as "Yes" for respondents who reported a pregnancy in C10 and coded as the response in C27 for all other respondents.

MYRC28: Age at first sexual intercourse

The question did not ask about first consensual sexual experience. Therefore, responses of first intercourse at very young ages were retained after reviewing comments made during the interview (e.g., reports of rape or incest).

MYRF3S: Number of days drank alcohol in past year

This variable was created from the two-part question (quantity and unit) F3 using the conversion factors 7 days/week, 30.4 days/month, and 365 days/year.

MYRF5S: Number of days drank nine or more drinks of alcohol in past year

This variable was created from the two-part question (quantity and unit) F5 using the conversion factors 7 days/week, 30.4 days/month, and 365 days/year.

MYRF6S: Number of days drank five or more drinks of alcohol in past year

This variable was created from the two-part question (quantity and unit) F6 using the conversion factors 7 days/week, 30.4 days/month, and 365 days/year.

DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

The mental health component of NHANES III included the depression and mania modules from the Diagnostic Interview Schedule (DIS) originally developed for the National Institute of Mental Health (NIMH) Epidemiologic Catchment Area (ECA) program. Trained interviewers administered the NHANES III DIS questions in the MEC, using automated data entry, as part of the MEC Youth Questionnaire for examinees 15-16 years of age and as part of the MEC Adult Questionnaire for examinees 17-39 years of age. The data from the DIS permit diagnoses based on the third edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-III).

The final MEC examination weight (WTPFEX6) should be used for analysis of the questionnaires and measurements administered in the MEC, as well as for a combined analysis of measurements from the MEC examinations and associated medical history questions from the household interview. The household questionnaire data files include information on survey design and basic demographic variables which may be linked to the examination data file by using the unique survey participant identifier SEQN. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

The DIS is a complicated questionnaire with a number of parallel series of questions and many skip instructions. The notes below describe these question series and skip patterns, and analysts are instructed to carefully read these notes in their entirety in order to facilitate analysis of this data. The Plan and Operation of the Third National Health and Nutrition Examination Survey, 1988-94, page 362, (NCHS, 1994; U.S. DHHS, 1996b) contains a flow chart of the probe questions and skips from the DIS.

All variable names in the DIS portion of the MEC interviews start with the prefix MQR. The M indicates that it came from the MEC interview, the Q indicates that the data transcend the boundaries of separate adult (A) and youth (Y) interviews (sample persons ranged from ages 15-39) and the R indicates the data came from the replicate or second exam interview.

Any sample person who was age 15 to 39 was eligible to receive this section of the adult or youth MEC questionnaire. A sample person who was not eligible to receive this section of the questionnaire will have all blanks in this section. Note that selected questions may be blank in the DIS section if the question was not applicable for the sample person to answer because of answers they had given to other questions. Also note that many of the questions have combined the "Don't know" and "No" category into a single response and this combination will vary per question in the DIS section.

Approximately 18% (88/668) of the NHANES III Second Exam sample did not have valid depression and mania sections of the questionnaire. The major reasons for these missing data are that respondents:
1) ran out of time, 2) felt the material was too sensitive, usually

because they were using an interpreter, 3) had comprehension problems due to cognitive impairment, 4) primary language was not English or Spanish, or 5) refused to answer or were not asked critical questions. All of the questions for these sample persons were coded "Blank but applicable."

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
MQRDLANG	3080	Language used to conduct the DIS portion of the interview. There was no computerized version of the MEC Youth Questionnaire in Spanish. It was only given on hard copy. Therefore, MQRDLANG=4 only if (DMAETHNR >= 3 and MQRDLANG=3 and MQRHCFLG=1) OR specific comment made that indicates the interview was given in Spanish.	See note
	470	1 English Adult	
	60	2 Spanish Adult	
	47	3 English Youth	
	3	4 Spanish Youth	
	88	8 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3081 MQRDPFLG		Completeness of depression data	See note
	450	1 Lifetime symptoms answered, insufficient number positive to answer clustering questions	
	48	2 Sufficient lifetime symptoms present but do not cluster in spells of sufficient duration	
	81	3 Sufficient lifetime symptoms present and cluster in spells of sufficient duration, but may or may not meet criteria for diagnosis.	
	1	4 Sufficient lifetime symptoms present but no information available if cluster in spells of sufficient duration - missing diagnosis	
	88	5 No information available, but should have been collected - missing diagnosis	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes

3082 MQRMNFLG		Completeness of mania data	See note
	529	1 Lifetime symptoms answered, insufficient number positive to ask clustering questions	
	33	2 Sufficient lifetime symptoms present but do not cluster in spells of sufficient duration	
	18	3 Sufficient lifetime symptoms present and cluster in spells of sufficient duration, but may or may not meet criteria for diagnosis.	
	88	5 No information available, but should have been collected - missing diagnosis	
	1928	Blank	
3083 MQRHCFLG		Interview given on hard copy, not computerized (only affects availability of responses to probe questions)	See note
	12	1 Yes	
	568	2 No	
	88	8 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions		Item description	
SAS name	Counts	and code	Notes

The following variables refer to questions on the data collection instruments documented in Ref. No. 1, pages 329-337 and 352-362. Variables MQRG01- MQRG20W and MQRG41L-MQRG49W cover the questions asked in the depression and mania sections, respectively.

3084		Flag that indicates persons who should have received the DIS portion of the MEC interview. Those absent are those who completed at least one module of the MEC interview, were between 15 and 39 years old, and did not complete any part of the DIS portion of the MEC interview. (See the depression (MQRDPFLG) and mania (MQRMNFLG) section flags for more detailed information).	See note
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MQRG01

580	1	Present
88	2	Absent
1928		Blank

3085		In your lifetime, have you ever had two weeks or more during which you felt sad, blue, depressed, or when you lost all interest and pleasure in things that you usually cared about or enjoyed?
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MQRG02

159	1	Yes
421	2	No/Don't know
88	8	Blank but applicable
1928		Blank

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3086 MQRG03		Have you had two years or more in your life when you felt depressed or sad almost all the time, even if you felt OK sometimes?	
	61	1 Yes	
	519	2 No/Don't know	
	88	8 Blank but applicable	
	1928	Blank	
3087 MQRG04		(If 'yes' in G3): G4 Did you tell a doctor about G3 symptom?	
	18	1 Yes	
	43	2 No/Don't know	
	88	8 Blank but applicable	
	2447	Blank	
3088-3089 MQRG05L		Has there ever been a period of two weeks or longer when you lost your appetite?	See note
	64	01 Yes	
	507	02 No/Don't know	
	9	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3090 MQRG0501		(If 'yes' in G5): Did you tell a doctor about G5 symptom?	See note
	23	1 Yes	
	49	2 No/Don't know	
	89	8 Blank but applicable	
	2435	Blank	
3091-3092 MQRG06L		Have you ever lost weight without trying to - as much as two pounds a week for several weeks?	See note
	63	01 Yes	
	493	02 No/Don't know	
	10	03 Only due to med/drugs/alcohol	
	14	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	
3093 MQRG0601		(If 'yes' in G6): Did you tell a doctor about G6 symptom?	See note
	25	1 Yes	
	61	2 No/Don't know	
	89	8 Blank but applicable	
	2421	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3094-3095 MQRG07L		Have you ever had a period when your eating increased so much that you gained as much as two pounds a week for several weeks?	See note
	103	01 Yes	
	459	02 No/Don't know	
	9	03 Only due to med/drugs/alcohol	
	9	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	
3096 MQRG0701		(If 'yes' in G7): Did you tell a doctor about G7 symptom?	See note
	27	1 Yes	
	92	2 No/Don't know	
	90	8 Blank but applicable	
	2387	Blank	
3097 MQRDGP1L		Count of yes responses (1's) for appetite group:	See note
		Lost appetite (MQRG05L)	
		Lost weight (MQRG06L)	
		Gained weight (MQRG07L)	
	421	0	
	107	1	
	33	2	
	19	3	
	88	8 All blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3098-3099 MQRG08L		Have you ever had a period of two weeks or more when you had trouble falling asleep, staying asleep, or with waking up too early?	See note
	116	01 Yes	
	444	02 No/Don't know	
	13	03 Only due to med/drugs/alcohol	
	7	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	
3100 MQRG0801		(If 'yes' in G8): Did you tell a doctor about G8 symptom?	See note
	39	1 Yes	
	95	2 No/Don't know	
	90	8 Blank but applicable	
	2372	Blank	
3101-3102 MQRG09L		Have you ever had a period of two weeks or longer when you were sleeping too much?	See note
	66	01 Yes	
	482	02 No/Don't know	
	11	03 Only due to med/drugs/alcohol	
	21	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3103 MQRG0901		(If 'yes' in G9): Did you tell a doctor about G9 symptom?	See note
	25	1 Yes	
	72	2 No/Don't know	
	89	8 Blank but applicable	
	2410	Blank	
3104 MQRDGP2L		Count of yes responses (1's) for sleep group:	See note
		Insomnia (MQRG08L)	
		Hypersomnia (MQRG09L)	
	432	0	
	114	1	
	34	2	
	88	8 All blank but applicable	
	1928	Blank	
3105-3106 MQRG10L		Has there ever been a period lasting two weeks or more when you felt tired out all the time?	See note
	84	01 Yes	
	452	02 No/Don't know	
	12	03 Only due to med/drugs/alcohol	
	32	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3107 MQRG1001		(If 'yes' in G10): Did you tell a doctor about G10 symptom?	See note
	45	1 Yes	
	79	2 No/Don't know	
	92	8 Blank but applicable	
	2380	Blank	
3108 *MQRG1011		(If 'yes' in MQRG1007 or MQRG1010 or MQRG1012 or MQRG1014): What caused G10 symptom? (If cause was given, flag is 'yes'; if not, flag is 'no')	See note
	12	1 Yes	
	25	2 No	
	92	8 Blank but applicable	
	2467	Blank	
3109 MQRDGP3L		Count of yes responses (1's) to tired out group: (MQRG10L)	See note
	496	0	
	84	1	
	88	8 All blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3110-3111 MQRG11L		Has there ever been a period of two weeks or more when you talked or moved more slowly than is normal for you?	See note
	31	01 Yes	
	528	02 No/Don't know	
	9	03 Only due to med/drugs/alcohol	
	12	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	
3112 MQRG1101		(If 'yes' in G11): Did you tell a doctor about G11 symptom?	See note
	18	1 Yes	
	33	2 No/Don't know	
	89	8 Blank but applicable	
	2456	Blank	
3113-3114 MQRG12L		Has there ever been a period of two weeks or more when you had to be moving all the time-- that is, you couldn't sit still and paced up and down?	See note
	36	01 Yes	
	533	02 No/Don't know	
	9	03 Only due to med/drugs/alcohol	
	2	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes

3115 MQRG1201		(If 'yes' in G12): Did you tell a doctor about G12 symptom?	See note
	11	1 Yes	
	36	2 No/Don't know	
	88	8 Blank but applicable	
	2461	Blank	
3116 MQRDGP4L		Count of yes responses (1's) for slow/ restless group:	See note
		Retarded (MQRG11L)	
		Restless (MQRG12L)	
	524	0	
	45	1	
	11	2	
	88	8 All blank but applicable	
	1928	Blank	
3117-3118 MQRG13L		Was there ever a period of several weeks when your interest in sex was a lot less than usual?	See note
	24	01 Yes	
	475	02 No/Don't know	
	7	03 Only due to med/drugs/alcohol	
	8	04 Only due to physical illness or injury	
	66	06 Yes, but wasn't bothered	
	88	88 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3119 MQRG1301		(If 'yes' in G13): Did you tell a doctor about G13 symptom?	See note
	21	1 Yes	
	83	2 No/Don't know	
	89	8 Blank but applicable	
	2403	Blank	
3120 MQRG1302		(If 'no' in MQRG1301): Did you tell any other professional about G13 symptom?	See note
	3	1 Yes	
	80	2 No/Don't know	
	89	8 Blank but applicable	
	2424	Blank	
3121 MQRG1303		(If 'no' in MQRG1302): Did you take medication for G13 symptom more than once?	See note
	1	1 Yes	
	79	2 No/Don't know	
	89	8 Blank but applicable	
	2427	Blank	
3122 MQRG1304		(If 'no' in MQRG1303): Did G13 symptom interfere with your life or activities a lot?	See note
	13	1 Yes	
	66	2 No/Don't know	
	89	8 Blank but applicable	
	2428	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3123 MQRDGP5L		Count of yes responses (1's) to sexual disinterest group: (MQRG13L)	See note
	556	0	
	24	1	
	88	8 All blank but applicable	
	1928	Blank	
3124-3125 MQRG14L		Has there ever been a period of two weeks or more when you felt worthless, sinful, or guilty?	See note
	86	01 Yes	
	494	02 No/Don't know	
	88	88 Blank but applicable	
	1928	Blank	
3126 MQRDGP6L		Count of yes responses (1's) to guilt/ worthless group: (MQRG14L)	See note
	494	0	
	86	1	
	88	8 All blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3127-3128 MQRG15L		Has there ever been a period of two weeks or more when you had a lot more trouble concentrating than is normal for you?	See note
	94	01 Yes	
	472	02 No/Don't know	
	10	03 Only due to med/drugs/alcohol	
	4	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	
3129 MQRG1501		(If 'yes' in G15): Did you tell a doctor about G15 symptom?	See note
	18	1 Yes	
	88	2 No/Don't know	
	90	8 Blank but applicable	
	2400	Blank	
3130-3131 MQRG16L		Have you ever had a period of two weeks or more when your thoughts came much slower than usual or seemed mixed up?	See note
	48	01 Yes	
	518	02 No/Don't know	
	13	03 Only due to med/drugs/alcohol	
	1	04 Only due to physical illness or injury	
	88	88 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3132 MQRG1601		(If 'yes' in G16): Did you tell a doctor about G16 symptom?	See note
	13	1 Yes	
	47	2 No/Don't know	
	90	8 Blank but applicable	
	2446	Blank	
3133 MQRDGP7L		Count of yes responses (1's) to trouble thinking group: Trouble concentrating (MQRG15L) Thoughts slow or mixed up (MQRG16L)	See note
	479	0	
	60	1	
	41	2	
	88	8 All blank but applicable	
	1928	Blank	
3134-3135 MQRG17L		Has there ever been a period of two weeks or more when you thought a lot about death--either your own, someone else's, or death in general?	See note
	142	01 Yes	
	438	02 No/Don't know	
	88	88 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3136-3137 MQRG18L		Has there ever been a period of two weeks or more when you felt like you wanted to die?	See note
	72	01 Yes	
	508	02 No/Don't know	
	88	88 Blank but applicable	
	1928	Blank	
3138-3139 MQRG19L		Have you ever felt so low you thought of committing suicide?	See note
	104	01 Yes	
	476	02 No/Don't know	
	88	88 Blank but applicable	
	1928	Blank	
3140-3141 MQRG20L		Have you ever attempted suicide?	See note
	43	01 Yes	
	537	02 No/Don't know	
	88	88 Blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3142 MQRDGP8L		Count of yes responses (1's) to death group:	See note
		Thought of death (MQRG17L)	
		Wish to die (MQRG18L)	
		Suicide thoughts (MQRG19L)	
		Suicide attempt (MQRG20L)	
	390	0	
	94	1	
	40	2	
	37	3	
	19	4	
	88	8 All blank but applicable	
	1928	Blank	
3143 MQRG21		Check Item: Refer to G2 and MQRDGP1L-MQRDGP8L	See note
	98	1 If Yes (1) coded in 3 or more of the 8 groups of symptoms (1 <= MQRDGP1L-MQRDGP8L <=4) and Yes (1) coded in G2, then go to G22	
	32	2 If Yes (1) coded in 3 or more of the 8 groups of symptoms (1 <= MQRDGP1L-MQRDGP8L <=4) and No (2) coded in G2, then go to G24	
	450	3 If Yes (1) coded in 2 or fewer of the 8 groups of symptoms (1 <= MQRDGP1L-MQRDGP8L <=4), then skip to mania section (G41)	
	88	8 Blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3144 MQRG22		(If '1' in G21): You said you've had a period of feeling (depressed/sad/blue/OWN EQUIVALENT) and also said you've had some other problems like (List all 1's in G5-G20). Has there ever been a time when the feelings of depression and some of these other problems occurred together, that is, within the same month?	See note
	81	1 Yes	
	17	2 No	
	88	8 Blank but applicable	
	2410	Blank	
3145 MQRG23		(If 'no' in G22): So there's never been a period when you felt sad, blue, or depressed at the same time you were having some of these other problems?	See note
	12	1 Yes, never been a period	
	5	2 No, has been a period	
	88	8 Blank but applicable	
	2491	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes

3146 MQRG24		(If '2' in G21): G24 You said you have had periods when (List all 1's in G5-G20). Was there ever a time when several of these problems occurred together, that is, within the same month?	See note
	12	1 Yes	
	19	2 No	
	89	8 Blank but applicable	
	2476	Blank	
3147 MQRG25		(If 'yes' in G24): G25 When you were having some of these problems, at about the same time were you feeling okay, or were you feeling low, gloomy, blue or uninterested in everything?	See note
	3	1 Okay	
	9	2 Low, gloomy, blue, uninterested	
	89	8 Blank but applicable	
	2495	Blank	
3148-3151 MQRG26		(If 'yes' in G22 or 'no, has been a period' in G23 or 'low' in G25): G26 What's the longest spell you've ever had when you felt blue and had several of these other problems at the same time?	See note
	80	0002-0312 weeks	
	1	0988 Whole life	
	14	7777 Less than 2 weeks	
	89	8888 Blank but applicable	
	2412	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3152-3154 MQRG27		(If '2-988' in G26): G27 Now I'd like to ask about spells when you felt both (depressed/OWN EQUIVALENT) and had some of these other problems like (List 2 or 3 items coded 'yes'(1) in G5-G20). In your lifetime, how many spells like that have you had that lasted two weeks or more?	
	79	001-050 spells	
	1	096 96 or more spells	
	89	888 Blank but applicable	
	1	999 Don't know	
	2426	Blank	
3155 MQRG28		(If '1-96' in G27): G28 Did you tell a doctor about (that spell/any of those spells)?	
	25	1 Yes	
	56	2 No	
	89	8 Blank but applicable	
	2426	Blank	
3156 MQRG29		(If 'no' in G28): G29 Did you tell any other professional about (it/any of them)?	
	8	1 Yes	
	48	2 No	
	89	8 Blank but applicable	
	2451	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3157 MQRG30		(If 'no' in G29): G30 Did you take medicine more than once because of (that spell/any of those spells)?	
	3	1 Yes	
	45	2 No	
	89	8 Blank but applicable	
	2459	Blank	
3158 MQRG31		(If 'no' in G30): G31 Did (that spell/those spells) interfere with your life or activities a lot?	
	31	1 Yes	
	14	2 No	
	89	8 Blank but applicable	
	2462	Blank	
3159-3160 MQRG32		(If 'yes' in any of G28-G30 or any answer in G31): G32 How old were you the first time you had a spell for two weeks or more where you felt sad and had some of these other problems such as (List 2 or 3 items coded 'yes'(1) in G5- G20)?	
	81	02-33 years old	
	89	88 Blank but applicable	
	2426	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3161 MQRG33		(If '2-33' in G32): Did (that spell/any of those spells) occur just after someone close to you died? (If volunteers began more than 2 months after death, mark 'no')	
	31	1 Yes	
	50	2 No	
	89	8 Blank but applicable	
	2426	Blank	
3162 MQRG34		(If 'yes' in G33): G34 Have you had any spell of (depression/OWN EQUIVALENT) along with these other problems such as (List 2 or 3 items coded 'yes' (1) in G5-G20) at times when it wasn't due to a death?	
	12	1 Only due to death	
	19	2 Other times or not due to death	
	89	8 Blank but applicable	
	2476	Blank	
3163 MQRG35		(If 'no' in G33 or '1-2' in G34): G35 Are you in one of these spells of feeling low or disinterested and having some of these other problems now?	
	29	1 Yes	
	52	2 No	
	89	8 Blank but applicable	
	2426	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3164 MQRG36		(If 'no' in G35): G36 When did your last spell like that end? (Code most recent time possible)	
	5	1 Within last 2 weeks	
	6	2 Within last month	
	11	3 Within last 6 months	
	6	4 Within last year	
	24	5 More than 1 year ago	
	89	8 Blank but applicable	
	2455	Blank	
3165-3166 MQRG37		(If 'more than 1 year ago' in G36): How old were you then?	
	24	15-37 years old	
	89	88 Blank but applicable	
	2483	Blank	
3167 MQRG38		Check Item (Refer to G26-G27).	
	56	1 If more than 1 spell in G27, then go to G39	
	4	2 If 1 spell in G27 which was 52 weeks or more in G26, then go to G39	
	20	3 If 1 spell in G27 which was less than 52 weeks in G26, then go to G40	
	90	8 Blank but applicable	
	2426	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3168-3169 MQRG39		(If '1' in G38): G39 Now I'd like to know about the time when you were feeling (depressed/OWN EQUIVALENT) for at least 2 weeks and had the largest number of these other problems at the same time. How old were you at that time? (IF CAN'T CHOOSE: Then pick one bad spell). (If '3' in G38 or '2-39' in G39): G40 During the spell of (depression/OWN EQUIVALENT) which of these other problems did you have? For instance, during that spell (when you were (AGE in G39) years old) (BEGINNING WITH WORDS IN BRACKETS, READ EACH QUESTION CODED 'yes' (1) in G5-G20)	
	61	11-38 years old	
	89	88 Blank but applicable	
	2446	Blank	
3170 MQRG05W		(If 'yes' in G5): Did you lose your appetite?	See note
	33	1 Yes	
	7	2 No/Don't know	
	89	8 Blank but applicable	
	2467	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3171 MQRG06W		(If 'yes' in G6): Did you lose weight without trying to - as much as two pounds a week for several weeks or as much as 10 pounds altogether?	See note
	16	1 Yes	
	10	2 No/Don't know	
	88	8 Blank but applicable	
	2482	Blank	
3172 MQRG07W		(If 'yes' in G7): Did your eating increase so much that you gained as much as two pounds a week for several weeks or 10 pounds altogether?	See note
	19	1 Yes	
	25	2 No/Don't know	
	89	8 Blank but applicable	
	2463	Blank	
3173 MQRG08W		(If 'yes' in G8): Did you have trouble falling asleep, staying asleep, or with waking up too early?	See note
	54	1 Yes	
	2	2 No/Don't know	
	88	8 Blank but applicable	
	2452	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3174 MQRG09W		(If 'yes' in G9): Were you sleeping too much?	See note
	15	1 Yes	
	16	2 No/Don't know	
	88	8 Blank but applicable	
	2477	Blank	
3175 MQRG10W		(If 'yes' in G10): Did you feel tired out all the time?	See note
	33	1 Yes	
	4	2 No/Don't know	
	88	8 Blank but applicable	
	2471	Blank	
3176 MQRG11W		(If 'yes' in G11): Did you talk or move more slowly than is normal for you?	See note
	15	1 Yes	
	3	2 No/Don't know	
	88	8 Blank but applicable	
	2490	Blank	
3177 MQRG12W		(If 'yes' in G12): Did you have to be moving all the time-- that is, you couldn't sit still and paced up and down?	See note
	15	1 Yes	
	6	2 No/Don't know	
	89	8 Blank but applicable	
	2486	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes

3178 MQRG13W		(If 'yes' in G13): Was your interest in sex a lot less than usual?	See note
	14	1 Yes	
	2	2 No/Don't know	
	88	8 Blank but applicable	
	2492	Blank	
3179 MQRG14W		(If 'yes' in G14): Did you feel worthless, sinful, or guilty?	See note
	56	1 Yes	
	1	2 No/Don't know	
	88	8 Blank but applicable	
	2451	Blank	
3180 MQRG15W		(If 'yes' in G15): Did you have a lot more trouble concentrating than is normal for you?	See note
	55	1 Yes	
	4	2 No/Don't know	
	89	8 Blank but applicable	
	2448	Blank	
3181 MQRG16W		(If 'yes' in G16): Did your thoughts come much slower than usual or seem mixed up?	See note
	29	1 Yes	
	3	2 No/Don't know	
	88	8 Blank but applicable	
	2476	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3182 MQRG17W		(If 'yes' in G17): Did you think a lot about death--either your own, someone else's, or death in general?	See note
	50	1 Yes	
	6	2 No/Don't know	
	88	8 Blank but applicable	
	2452	Blank	
3183 MQRG18W		(If 'yes' in G18): Did you feel like you wanted to die?	See note
	43	1 Yes	
	3	2 No/Don't know	
	88	8 Blank but applicable	
	2462	Blank	
3184 MQRG19W		(If 'yes' in G19): Did you feel so low you thought of committing suicide?	See note
	35	1 Yes	
	9	2 No/Don't know	
	89	8 Blank but applicable	
	2463	Blank	
3185 MQRG20W		(If 'yes' in G20): Did you attempt suicide?	See note
	11	1 Yes	
	6	2 No/Don't know	
	88	8 Blank but applicable	
	2491	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3186-3187 MQRG41L		Has there ever been a period of one week or more when you were so happy or excited or high that you got into trouble, or your family or friends worried about it, or a doctor said you were manic?	See note
	17	01 Yes	
	559	02 No/Don't know	
	4	03 Only due to med/drugs/alcohol	
	88	88 Blank but applicable	
	1928	Blank	
3188-3189 MQRG42L		Has there ever been a period of a week or more when you were so much more active than usual that you or your family or friends were concerned about it?	See note
	25	01 Yes	
	550	02 No/Don't know	
	5	03 Only due to med/drugs/alcohol	
	88	88 Blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3190-3191 MQRG43L		Has there ever been a period of a week or more when you went on spending sprees- spending so much money that it caused you or your family some financial trouble?	See note
	43	01 Yes	
	533	02 No/Don't know	
	4	03 Only due to med/drugs/alcohol	
	88	88 Blank but applicable	
	1928	Blank	
3192-3193 MQRG44L		Have you ever had a period of a week or more when your interest in sex was so much stronger than is typical for you that you wanted to have sex a lot more frequently than is normal for you or with people you normally wouldn't be interested in?	See note
	61	01 Yes	
	518	02 No/Don't know	
	1	03 Only due to med/drugs/alcohol	
	88	88 Blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3194-3195 MQRG45L		Has there ever been a period of a week or more when you talked so fast that people said they couldn't understand you?	See note
	33	01 Yes	
	546	02 No/Don't know	
	1	03 Only due to med/drugs/alcohol	
	88	88 Blank but applicable	
	1928	Blank	
3196-3197 MQRG46L		Have you ever had a period of a week or more when thoughts raced through your head so fast that you couldn't keep track of them?	See note
	42	01 Yes	
	529	02 No/Don't know	
	9	03 Only due to med/drugs/alcohol	
	88	88 Blank but applicable	
	1928	Blank	
3198-3199 MQRG47L		Have you ever had a period of a week or more when you felt that you had a special gift or special powers to do things others couldn't do or that you were a specially important person?	See note
	16	01 Yes	
	564	02 No/Don't know	
	88	88 Blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3200 MQRG47EX		(If 'yes' to G47): Was extra sensory perception or something else given as an example of a special gift or power?	See note
	9	1 Extra sensory perception (ESP)	
	10	2 Other	
	89	8 Blank but applicable	
	2488	Blank	
3201-3202 MQRG48L		Has there ever been a period of a week or more when you hardly slept at all but still didn't feel tired or sleepy?	See note
	75	01 Yes	
	500	02 No/Don't know	
	5	03 Only due to med/drugs/alcohol	
	88	88 Blank but applicable	
	1928	Blank	
3203-3204 MQRG49L		Was there ever a period of a week or more when you were easily distracted so that any little interruption could get you off the track?	See note
	83	01 Yes	
	487	02 No/Don't know	
	10	03 Only due to med/drugs/alcohol	
	88	88 Blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3205 MQRG50		Check item. (Refer to G41-G49) Mark first applicable box.	See note
	10	1 If 2 or more 'yes' (1) in G42-G49 and 'yes' (1) in G41, then go to G51	
	41	2 If 3 or more 'yes' (1) in G42-G49 and 'no' (2) or 'due to med/drugs/ alcohol' (3) in G41, then go to G53	
	529	3 If a) 2 'yes' (1) in G42-G49 and '2' or '3' in G41 OR b) 0 or 1 'yes' (1) in G42-G49, then exit mania section	
	88	8 Blank but applicable	
	1928	Blank	
3206 MQRG51		(If '1' in G50): G51 You said you've had a period of feeling (very happy/ excited/manic/high/OWN EQUIVALENT/ irritable) and also said you've had some problems like (List all 1's in G42-G49). Has there ever been a time when the feelings of being excited or manic and some of these other feelings or experiences occurred together-that is, within the same month?	See note
	6	1 Yes	
	4	2 No	
	88	8 Blank but applicable	
	2498	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3207 MQRG52		(If 'no' for G51): G52 So there's never been a period when you felt very excited or manic at the same time you were having any of these other experiences?	See note
	4	1 Yes, never been a period	
	88	8 Blank but applicable	
	2504	Blank	
3208 MQRG53		(If '2' in G50): G53 You said you had times when (List all 1's in G42-G49). Was there ever a time when some of these feelings or experiences occurred together-that is, within the same month?	See note
	20	1 Yes	
	21	2 No	
	88	8 Blank but applicable	
	2467	Blank	
3209 MQRG54		(If yes in G53): G54 When you were feeling that way, were you unusually irritable or likely to fight or argue?	See note
	11	1 Yes	
	8	2 No	
	88	8 Blank but applicable	
	1	9 Don't know	
	2488	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3210-3213 MQRG55		(If 'yes' in G51 or 'never' in G52 or 'yes' in G54): What's the longest spell you've ever had when you felt (very happy/excited/manic/high/OWN EQUIVALENT/irritable) for at least a week and had several of these other experiences like (List 1's in G42-G49)?	
	18	0001-0052 weeks	
	88	8888 Blank but applicable	
	2490	Blank	
3214-3216 MQRG56		(If '1-780' in G55): In your lifetime, how many spells like that have you had that lasted one week or more?	
	18	001-010 spells	
	88	888 Blank but applicable	
	2490	Blank	
3217 MQRG57		(If '1-96' in G56): G57 Did you tell a doctor about (that spell/any of those spells)?	
	5	1 Yes	
	13	2 No	
	88	8 Blank but applicable	
	2490	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3218 MQRG58		(If 'no' in G57): Did you tell any other professional about (it/any of them)?	
	2	1 Yes	
	11	2 No	
	88	8 Blank but applicable	
	2495	Blank	
3219 MQRG59		(If 'no' in G58): G59 Did you take medicine more than once because of (that spell/any of those spells)?	
	1	1 Yes	
	10	2 No	
	88	8 Blank but applicable	
	2497	Blank	
3220 MQRG60		(If 'no' in G59): Did (that spell/ those spells) interfere with your life or activities a lot?	
	2	1 Yes	
	8	2 No	
	88	8 Blank but applicable	
	2498	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3221-3222 MQRG61		(If 'yes' in any of G57-G59 or any answer in G60): G61 How old were you the first time you had a spell for one week or more where you felt (very happy/excited/manic/ high/OWN EQUIVALENT/irritable) and had some of these experiences like (List 2 or 3 items coded 'yes'(1) in G42-G49)?	
	18	13-39 years old	
	88	88 Blank but applicable	
	2490	Blank	
3223 MQRG62		(If '1-39' in G61): Are you in one of these spells of feeling (very happy/excited/manic/high/OWN EQUIVALENT/irritable) and having some of these experiences now?	
	2	1 Yes	
	16	2 No	
	88	8 Blank but applicable	
	2490	Blank	
3224 MQRG63		(If 'no' in G62): G63 How long ago did your last period like that end? (Code most recent time possible)	
	2	1 Within last 2 weeks	
	4	3 Within last 6 months	
	3	4 Within last year	
	7	5 More than 1 year ago	
	88	8 Blank but applicable	
	2492	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3225-3226 MQRG64		(If 'more than 1 year ago' in G63): How old were you then?	
	7	18-30 years old	
	88	88 Blank but applicable	
	2501	Blank	
3227 MQRG65		Check Item: Refer to G56.	
	4	1 If one spell in G56 then go to G67.	
	14	2 If more than one spell in G56, then go to G66	
	88	8 Blank but applicable	
	2490	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3228-3229 MQRG66		(If '2' in G65): Now I'd like to know about the time when you were feeling (very happy/excited/manic/high/OWN EQUIVALENT/irritable) and had the largest number of these other experiences at the same time. How old were you at that time? (If you can't choose, then pick one bad spell). (If '1' in G65 or '5-39' in G66): During the spell of being (very happy/excited/manic/high/OWN EQUIVALENT/irritable) which of these experiences did you have? For instance, during that spell (when you were (AGE in G66) years old) (BEGINNING WITH WORDS IN BRACKETS, READ EACH QUESTION CODED 'yes' (1) in G42- G49)	
	14	14-36 years old	
	88	88 Blank but applicable	
	2494	Blank	
3230 MQRG42W		(If 'yes' in G42): Were you so much more active than usual that you or your family or friends were concerned about it?	See note
	3	1 Yes	
	3	2 No/Don't know	
	88	8 Blank but applicable	
	2502	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3231 MQRG43W		(If 'yes' in G43): Did you go on spending sprees - spending so much money that it caused you or your family some financial trouble?	See note
	6	1 Yes	
	2	2 No/Don't know	
	88	8 Blank but applicable	
	2500	Blank	
3232 MQRG44W		(If 'yes' in G44): At that time was your interest in sex so much stronger than is typical for you that you wanted to have sex a lot more frequently than is normal for you or with people you normally wouldn't be interested in?	See note
	9	1 Yes	
	3	2 No/Don't know	
	88	8 Blank but applicable	
	2496	Blank	
3233 MQRG45W		(If 'yes' in G45): Did you talk so fast that people said they couldn't understand you?	See note
	5	1 Yes	
	88	8 Blank but applicable	
	2503	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3234 MQRG46W		(If 'yes' in G46): Did thoughts race through your head so fast that you couldn't keep track of them?	See note
	13	1 Yes	
	1	2 No/Don't know	
	88	8 Blank but applicable	
	2494	Blank	
3235 MQRG47W		(If 'yes' in G47): Did you feel that you had a special gift or special powers to do things others couldn't do or that you were a specially important person?	See note
	1	1 Yes	
	88	8 Blank but applicable	
	2507	Blank	
3236 MQRG48W		(If 'yes' in G48): Did you hardly sleep at all but still didn't feel tired or sleepy?	See note
	11	1 Yes	
	3	2 No/Don't know	
	88	8 Blank but applicable	
	2494	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3237 MQRG49W		(If 'yes' in G49): Were you easily distracted so that any little interruption could get you off the track?	See note
	12	1 Yes	
	3	2 No/Don't know	
	88	8 Blank but applicable	
	2493	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions		Item description	
SAS name	Counts	and code	Notes

A scoring program was used to produce a number of scored variables. The set for depression are as follows:

3238		During worst episode of depression, how many of the following symptoms occurred:	See note
MQRDGP1W			

Lost appetite (MQRG05W); or
 Lost weight (MQRG06W); or
 Gained weight (MQRG07W) ?

529	0		
34	1		
14	2		
2	3		
89	8	All blank but applicable	
1928		Blank	

3239		During worst episode of depression, how many of the following symptoms occurred:	See note
MQRDGP2W			

Insomnia (MQRG08W); or
 Hypersomnia (MQRG09W) ?

520	0		
51	1		
9	2		
88	8	All blank but applicable	
1928		Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3240 MQRDGP3W		During worst episode of depression was there fatigue (MQRG10W) ?	See note
	547	0	
	33	1	
	88	8 All blank but applicable	
	1928	Blank	
3241 MQRDGP4W		During worst episode of depression, how many of the following symptoms occurred: Retarded (MQRG11W); or Restless (MQRG12W) ?	See note
	554	0	
	20	1	
	5	2	
	89	8 All blank but applicable	
	1928	Blank	
3242 MQRDGP5W		During worst episode of depression was there sexual disinterest (MQRG13W) ?	See note
	566	0	
	14	1	
	88	8 All blank but applicable	
	1928	Blank	
3243 MQRDGP6W		During worst episode of depression, was there guilt (MQRG14W)?	See note
	524	0	
	56	1	
	88	8 All blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3244 MQRDGP7W		During worst episode of depression, how many of the following symptoms occurred:	See note
		Trouble concentrating (MQRG15W); or Thoughts slow or mixed up (MQRG16W) ?	
	521	0	
	32	1	
	26	2	
	89	8 All blank but applicable	
	1928	Blank	
3245 MQRDGP8W		During worst episode of depression, how many of the following symptoms occurred:	See note
		Thought of death (MQRG17W); or Wish to die (MQRG18W); or Suicide thoughts (MQRG19W); or Suicide attempt (MQRG20W) ?	
	519	0	
	17	1	
	16	2	
	18	3	
	9	4	
	89	8 All blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3246-3247 MQRDGPSW		The total number of positive groups, i.e. MQRDGP1W to MQRDGP8W, in which at least one symptom was positive (1's) during the worst episode.	See note
	498	00	
	1	01	
	5	02	
	20	03	
	19	04	
	15	05	
	14	06	
	6	07	
	1	08	
	89	88 Blank but applicable	
	1928	Blank	
3248 MQRDYSFR		The dysphoria indicator. This corresponds to the "A" criterion in DSM- III. (MQRG02 = 1 (Yes) or 2 weeks <= MQRG26 (in weeks) <= whole life)	See note
	166	1 Yes	
	414	2 No	
	88	8 All blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3249-3250 MQRDPSX1		The total number of positive symptoms in the worst episode. (MQRDPSX1 = SUM of MQRDGP1W-MQRDGP8W + 1 (if MQRDYSFR=1))	See note
	413	00 None/never	
	166	01-14	
	89	88 Blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3251-3252 MQRDEP		The lifetime DSM-III diagnosis of major depressive episode.	See note
		- Criterion "A" is dysphoric mood (MQRDYSFR = 1 (yes)).	
		- Criterion "B" is two or more weeks of symptoms from at least four groups (4 <= MQRDGPSW <= 8).	
		- The minimum severity requirement is that these symptoms cause help seeking or impairment (at least one "yes" to MQRG28-MQRG31).	
		- Criterion "C" & "D" are not assessed.	
		- Criterion "E" is only assessed by the absence of grief as the cause of depression (MQRG34 = 2, i.e. depressed spells may be caused by things other than death or never because of death)	
	524	01 No diagnosis of major depressive episode (does not meet criteria)	
	9	02 Non-severe major depressive episode, meet Criteria "A" and "B" but not severity	
	37	03 Severe major depressive episode (Criteria "A", "B", "E" and severity)	
	7	04 Severe bereavement (Meets criteria "A" and "B", severity (i.e. MQRDEP=3), but MQRG34=1 (i.e.,	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
	2	05 depressed spells only due to death) Non-severe bereavement (Meets criteria "A" and "B" but not severity (i.e. MQRDEP=2) and MQRG34=1	
	89	88 Blank but applicable	
	1928	Blank	
3253-3254 MQRFDDP		The age first depressive symptoms occurred (MQRG32) if ever met criteria for any major depressive episode (2 <= MQRDEP <= 5).	See note
	55	02-33 years old	
	89	88 Blank but applicable	
	2452	Blank	
3255-3256 MQRLLDDP		The age last depressive symptoms occurred (MQRG35 to MQRG37) if ever met criteria for any major depressive episode (2 <= MQRDEP <= 5).	See note
	14	18-37 years old	
	28	51 Last episode within last 2 weeks	
	4	52 Last episode 2 weeks to 1 month ago	
	7	53 Last episode 1 to 6 months ago	
	2	54 Last episode 6 months to 1 year ago	
	89	88 Blank but applicable	
	2452	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions		Item description	
SAS name	Counts	and code	Notes
3257-3258		The total number of positive depression	See note
MQRDPSX2		symptom GROUPS ever. This is not used	
		for diagnosis. This is the sum of any	
		group where MQRDGP1L to MQRDGP8L has at	
		least one positive symptom. The	
		dysphoria symptom (MQRDYSFR) is also	
		counted.	
	250	00	
	116	01	
	54	02	
	47	03	
	29	04	
	22	05	
	28	06	
	19	07	
	13	08	
	2	09	
	88	88 All blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions		Item description	
SAS name	Counts	and code	Notes

The set of scored variables for manic episode are as follows:

3259		During worst episode of mania, were there positive hyperactive (MQRG42W=1) or hypersexual (MQRG44W=1) symptoms?	See note
MQRMNG1W			
	10	1 Yes	
	570	2 No	
	88	8 Blank but applicable	
	1928	Blank	
3260		During worst episode of mania, was there a positive push of speech (MQRG45W=1) symptom?	See note
MQRMNG2W			
	5	1 Yes	
	575	2 No	
	88	8 Blank but applicable	
	1928	Blank	
3261		During worst episode of mania, was there a positive racing thoughts (MQRG46W=1) symptom?	See note
MQRMNG3W			
	13	1 Yes	
	567	2 No	
	88	8 Blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes

3262 MQRMNG4W		During worst episode of mania, were there special gifts or powers (MQRG47W=1)?	See note
	1	1 Yes	
	579	2 No	
	88	8 Blank but applicable	
	1928	Blank	
3263 MQRMNG5W		During worst episode of mania, was there a reduced need for sleep (MQRG48W=1)?	See note
	11	1 Yes	
	569	2 No	
	88	8 Blank but applicable	
	1928	Blank	
3264 MQRMNG6W		During worst episode of mania, was there distractibility (MQRG49W=1)?	See note
	12	1 Yes	
	568	2 No	
	88	8 Blank but applicable	
	1928	Blank	
3265 MQRMNG7W		During worst episode of mania, were there spending sprees (MQRG43W=1)?	See note
	6	1 Yes	
	574	2 No	
	88	8 Blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3266-3267 MQRMNWSW		The total number of positive manic symptom groups, i.e. groups MQRMNG1W to MQRMNG7W, during the worst episode.	See note
	562	00	
	1	01	
	5	02	
	6	03	
	3	04	
	2	05	
	1	07	
	88	88 All blank but applicable	
	1928	Blank	
3268 MQREUFOR		The DSM-III indicator for at least one week euphoric or irritable. This corresponds to the "A" criterion in DSM-III.	See note
	552	0 No	
	11	1 Irritable (MQRG54 = 1 (Yes))	
	17	2 Euphoric (MQRG41L = 1 (Yes))	
	88	8 All blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3269-3270 MQRMNSX1		The total number of positive symptoms in the worst episode of mania. (MQRMNSX1 = MQRMNGSW + 1 if irritable or euphoric for one week (1 <= MQREUFOR <= 2)	See note
	551	00	
	11	01	
	2	02	
	4	03	
	6	04	
	3	05	
	2	06	
	1	08	
	88	88	Blank but applicable
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3271-3272 MQRMANIA		The DSM-III diagnosis of a manic episode (This is NOT the diagnosis of Bipolar Disorder).	See note
		- Criterion "A" and "B" (MQREUFOR):	
		- The minimum severity requirement is that these symptoms cause help seeking or impairment (at least one "yes" to MQRG57-MQRG60).	
		- Criterion "C", "D" and "E" are not assessed.	
	571	01 No diagnosis of manic episode (does not meet criteria)	
	4	02 Non-severe manic episode, meets Criteria "A" and "B" but not severity	
	5	03 Severe manic episode (Criteria "A", "B" and severity)	
	88	88 Blank but applicable	
	1928	Blank	
3273-3274 MQRFDMN		The age first manic symptoms occurred (MQRG61) if ever met criteria for any manic episode (2 <= MQRMANIA <= 3).	See note
	9	13-32 years old	
	88	88 Blank but applicable	
	2499	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3275-3276 MQRLLDMN		The age last manic symptoms occurred (MQRG62 to MQRG64) if ever met criteria for any manic episode (2 <= MQRMANIA <= 3).	See note
	4	18-23 years old	
	2	51 Last episode within last 2 weeks	
	1	53 Last episode 1 to 6 months ago	
	2	54 Last episode 6 months to 1 year ago	
	88	88 Blank but applicable	
	2499	Blank	
3277-3278 MQRMNSX2		The total number of positive mania symptoms ever. This is NOT used for diagnosis. For this count, questions MQRG42L to MQRG49L are grouped into DSM- III groups 1 to 7 and the number of positive groups is counted. The euphoria or irritability symptom (1 <= MQREUFOR <= 2) is also counted.	See note
	397	00	
	85	01	
	47	02	
	17	03	
	16	04	
	11	05	
	6	06	
	1	08	
	88	88 All blank but applicable	
	1928	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions		Item description	
SAS name	Counts	and code	Notes

The set of scored variables for single and recurrent episodes of major depression are as follows:

3279-3280 MQRDEPSE		The DSM-III diagnosis of single episode of major depression:	See note
-----------------------	--	--	----------

- Single episode of major depression, without bereavement.
- The diagnosis is NOT made if there has ever been evidence of mania.

568	01	No major depressive episode diagnosed (MQRDEP=1) although there could be severe or non-severe bereavement (MQRDEP=4 or 5) or some form of mania was diagnosed (MQRMANIA=2 or 3).	
1	02	Single episode (MQRG27=1) of major depression without severity (MQRDEP=2) and no manic episodes (MQRMANIA=1)	
10	03	Single episode (MQRG27=1) of severe major depression (MQRDEP=3) and no manic episodes (MQRMANIA=1)	
89	88	Blank but applicable	
1928		Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3281-3282 MQRFDDSE		The age first depressive symptoms occurred (MQRFDDP) if ever met criteria for any single episode of major depression (2 <= MQRDEPSE <= 3).	See note
	11	13-33 years old	
	89	88 Blank but applicable	
	2496	Blank	
3283-3284 MQRLDDSE		The age last depressive symptoms occurred (MQRLDDP) if ever met criteria for any single episode of major depression (2 <= MQRDEPSE <= 3).	See note
	4	20-37 years old	
	5	51 Last episode within last 2 weeks	
	1	53 Last episode 1 to 6 months ago	
	1	54 Last episode 6 months to 1 year ago	
	89	88 Blank but applicable	
	2496	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3285-3286 MQRDEPRT		The DSM-III diagnosis of recurrent major depression, without bereavement.	See note
		- There must be more than one episode of major depression, without bereavement.	
		- The diagnosis is NOT made if there has ever been evidence of mania.	
	548	01 No recurrent major depressive episode (MQRDEP=1) although there could be severe or non-severe bereavement (MQRDEP=4 or 5) or some form of mania (MQRMANIA=2 or 3)	
	7	02 Recurrent episodes (2 <= MQRG27 <= (whole life) or don't know how many spells) of major depression without severity (MQRDEP=2) and no manic episodes (MQRMANIA=1)	
	24	03 Recurrent episodes (2 <= MQRG27 <= (whole life) or don't know how many spells) of major depression with severity (MQRDEP=3) and no manic episodes (MQRMANIA=1).	
	89	88 Blank but applicable	
	1928	Blank	
3287-3288 MQRFDDRT		The age first depressive symptoms occurred (MQRFDDP) if ever met criteria for any recurrent episodes of major depression (2 <= MQRDEPRT <= 3.	See note
	31	06-32 years old	
	89	88 Blank but applicable	
	2476	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions		Item description	
SAS name	Counts	and code	Notes
3289-3290		The age last depressive symptoms	See note
MQRLLDRT		occurred (MQRLLDDP) if ever met criteria for any recurrent episodes of major depression (2 <= MQRDEPRT <= 3.	
	6	18-34 years old	
	18	51 Last episode within last 2 weeks	
	2	52 Last episode 2 weeks to 1 month ago	
	4	53 Last episode 1 to 6 months ago	
	1	54 Last episode 6 months to 1 year ago	
	89	88 Blank but applicable	
	2476	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions		Item description	
SAS name	Counts	and code	Notes

The set of scored variables for dysthymia are as follows:

3291 MQRDYSA		Two years or more of predominately depressive mood or loss of interest. MQRDYSA encompasses DSM-III criteria "A", "B", and "C", so either MQRG03=1 (Yes) or 104 weeks <= MQRG26 <= whole life.	See note
-----------------	--	--	----------

61	1	Yes
519	2	No
88	8	Blank but applicable
1928		Blank

3292-3293 MQRDYSD		The DSM-III definition of Criterion D for dysthymic disorder contains 13 symptoms, at least three (3 <= MQRDYSD <= 7) of which must be present during the depressive periods in order to qualify for a diagnosis. Only seven of these 13 symptoms are approximated by the following NHANES questions.	See note
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298	00	
112	01	
67	02	
31	03	
31	04	
26	05	
12	06	
3	07	
88	88	All blank but applicable
1928		Blank

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3294-3295 MQRDYSTH		The DSM-III diagnosis of dysthymic disorder.	See note
		- Criteria "A", "B" and "C" are encompassed by the variable MQRDYSA, i.e. MQRG03=1 (Yes) or 104 weeks <= MQRG26 <= whole life. (see above).	
		- Criterion "D" requires 3 or more symptoms (3 <= MQRDYSD <= 7).	
		- Criterion "E", absence of psychosis, cannot be assessed.	
		- Criterion "F" is not assessed.	
	541	01 No diagnosis of dysthymic disorder (does not meet criteria)	
	19	02 Dysthymic disorder, meets Criteria A, B, C, D but no depressive episode (MQRDEP not equal 3)	
	20	03 Dysthymic disorder, meets Criteria A, B, C, D and has depressive episode (MQRDEP=3)	
	88	88 Blank but applicable	
	1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions		Item description	
SAS name	Counts	and code	Notes

The set of scored variables for bipolar disorder are as follows:

3296-3297 MQRBIPOL		The DSM-III diagnosis of bipolar disorder: the diagnosis is made only if there has ever been a manic episode.	See note
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571	01	No bipolar disorder was diagnosed if there has never been a diagnosis of manic episode.
3	02	Bipolar disorder if severity and exclusion criteria are met for both a manic and a depressive episode (MQRMANIA=3 and MQRDEP=3).
2	03	Bipolar disorder if severity and exclusion criteria are met for a manic episode (MQRMANIA=3), but a depressive episode is either absent (MQRDEP=1, 4 or 5) or the diagnosis is missing (MQRDEP=Blank or 88).
3	05	Bipolar disorder if no manic episode met both severity and exclusion criteria (MQRMANIA=2) and a depressive episode is either absent (MQRDEP=1, 4 or 5) or the diagnosis is missing (MQRDEP=Blank or 88).
1	06	Bipolar disorder if no manic episode met both severity and exclusion criteria (MQRMANIA=2) and the depressive episodes may or may not meet both severity and exclusion criteria (MQRDEP=2 or 3)
88	88	Blank but applicable
1928	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3298-3299 MQRFDDBI		The age first manic symptoms occurred (MQRFDDBI) when 2 <= MQRBIPOL <= 6 OR age first depressive symptoms occurred (MQRFDDBI) if MQRBIPOL=2, 4 or 6 and <= MQRFDDBI <= MQRFDDBI.	See note 0
	9	13-32 years old	
	88	88 Blank but applicable	
	2499	Blank	
3300-3301 MQRLDDBI		The age last manic symptoms occurred (MQRLDDBI) when 2 <= MQRBIPOL <= 6 OR age last depressive symptoms occurred (MQRLDDBI) if MQRBIPOL=2, 4 or 6 and MQRLDDBI >= 0 and MQRLDDBI <= MQRLDDBI <= 54.	See note
	3	18-23 years old	
	3	51 Last episode within last 2 weeks	
	1	53 Last episode 1 to 6 months ago	
	2	54 Last episode 6 months to 1 year ago	
	88	88 Blank but applicable	
	2499	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions		Item description	
SAS name	Counts	and code	Notes

The set of scored variables for atypical bipolar disorder are as follows:

3302-3303 MQRBIPII		The DSM-III diagnosis of atypical bipolar disorder or Bipolar type II is only made if the respondent:	See note
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- Does not meet criteria for bipolar disorder (MQRBIPOL=1).
- Does not meet criteria for mania (MQRMANIA=1).
- Has major depression (MQRDEP=2 or 3).
- Has euphoria or irritability (1 <= MQR EUFOR <= 2)
- Has some symptoms of mania (1 <= MQR MNGSW <= 3)

575	01	No atypical bipolar disorder if there has ever been a diagnosis of manic episode (2 <= MQRMANIA <= 3) or bipolar disorder (2 <= MQRBIPOL <= 6) and a major depressive episode is absent or missing (MQRDEP=1, 4, 5, 88 or Blank)	
1	02	Non-severe atypical bipolar disorder if a non-severe depressive episode is present (MQRDEP=2) AND the criteria for a manic episode is not met (MQRMANIA=1) but euphoria or irritability is present (1 <=	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
		MQREUFOR <= 2) and some manic symptoms are present (1 <= MQRMNGSW <= 3).	
	3	03 Severe atypical bipolar disorder if a severe depressive episode is present (MQRDEP=3) AND the criteria for a manic episode is not met (MQRMANIA=1) but euphoria or irritability is present (1 <= MQREUFOR <= 2) and some manic symptoms are present (1 <= MQRMNGSW <= 3).	
	89	88 Blank but applicable This variable was coded Blank but applicable if one of the the following is true: 1. MQRBIPII =1 and MQRDEP= Blank or 88 2. MQRBIPII=1 and MQRMANIA= Blank or 88 and MQRDEP=3.	
	1928	Blank	
3304-3305 MQRFDBII		The age first depressive symptoms occurred (MQRFDDP) if ever met criteria for any atypical bipolar disorder (2 <= MQRBIPII <= 3).	See note
	4	12-30 years old	
	89	88 Blank but applicable	
	2503	Blank	

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SECOND EXAM DATA

 DIAGNOSTIC INTERVIEW SCHEDULE (DIS)

Positions SAS name	Counts	Item description and code	Notes
3306-3307 MQRldbii		The age last depressive symptoms occurred (MQRlDDP) if ever met criteria for any atypical bipolar disorder (2 <= MQRbIPII <= 3).	See note
	2	51 Last episode within last 2 weeks	
	2	53 Last episode 1 to 6 months ago	
	89	88 Blank but applicable	
	2503	Blank	

NOTES

MQRDLANG: Language used to conduct DIS

MQRDLANG is the language in which the DIS portion of the interview was conducted and it is exactly the same as MQRDLANG (the language of the MEC interview) except when a comment indicated that the DIS portion of the interview had been conducted in Spanish. Most Hispanic youth spoke English fluently enough that a Spanish translation was not necessary, therefore, no computerized version of the youth interview was available in Spanish. It was only given on hard copy. MQRDLANG was set to 4, Spanish Youth, only if the variable DMAETHNR was greater than or equal to 3 and MQRDLANG was equal to 3, and the examination was given on hard copy (MQRHCFLG=1) or a specific comment was made that indicates the interview was given in Spanish.

MQRDPFLG, MQRMNFLG: Depression and mania completeness flags

When a code of "1" is given to the depression (MQRDPFLG) or mania (MQRMNFLG) completeness flag, the respondent only answered the lifetime symptom questions (16 for depression and 9 for mania) and any appropriate probe questions. It was then determined in MQRG21, a check item, that there were not enough positive symptom groups to continue asking questions (MQRG21=3 or MQRG50=3 for depression and mania, respectively). The diagnosis of major depressive episode (MQRDEP) or manic episode (MQRMANIA), respectively, is set to "No."

When a code of "2" is given to the depression (MQRDPFLG) or mania (MQRMNFLG) completeness flag, the respondent answered not only the lifetime symptom questions (16 for depression and 9 for mania) and any appropriate probe questions but also one or more of the questions concerning clustering of the positive symptom groups. These sample persons can skip out of the section at several different points, but they never answer questions past MQRG26 or MQRG55, respectively, and they cannot have a positive diagnosis for major depressive episode (MQRDEP) or manic episode (MQRMANIA). The diagnosis of major depressive episode or manic episode, respectively, is set to "No."

When a code of "3" is given to the depression (MQRDPFLG) or mania (MQRMNFLG) completeness flag, the respondent answered not only the lifetime symptom questions (16 for depression and 9 for mania) and any appropriate probe questions but also all the questions concerning clustering of the positive symptom groups and the worst episode. These sample persons should have answers to all questions in their respective sections and have the chance for a positive diagnosis for major depressive episode (MQRDEP) or manic episode (MQRMANIA). The diagnosis of major depressive episode ranges from 1-5 and the diagnosis of manic episode ranges from 1-3.

When a code of "4" is given, the lifetime symptoms were completed and the sample person met criteria to continue answering questions (MQRG21=1 or 2), but the remaining section of questions needed to make a diagnosis were not ascertained (blank, but applicable) or were all answered "don't know." This is not the same as MQRG21=3 or MQRDPFLG=1 where sample persons only answered the lifetime symptom questions because they did not have enough positive symptoms to qualify to answer the remaining questions.

When a code of "5" is given, the depression and/or mania section should have been given, but was not, so all fields are filled with 8's (blank but applicable).

Lastly, a blank in this field indicates the sample person was not in the acceptable age range and was not eligible for the depression or mania questions.

In short, the flags divide the data into five groups:

1. Lifetime symptoms answered, insufficient number positive to ask clustering questions
2. Sufficient lifetime symptoms present but do not cluster in spells of sufficient duration
3. Sufficient lifetime symptoms present and cluster in spells of sufficient duration, and may or may not meet criteria for positive diagnosis
4. Sufficient lifetime symptoms present but no information available if cluster in spells of sufficient duration - missing diagnosis
5. No information available, but should have been collected - missing diagnosis

Blank values appear where the DIS not applicable.

MQRHCFLG: Hard copy flag

Although in almost all circumstances the DIS section of the interview was given using the computerized version, there were certain situations where a paper copy was used. This would occur only when there was a computer failure or for youth who required a Spanish version. These interviews are considered valid, but responses to probe questions were not recorded, and are therefore set to 8's (blank but applicable).

MQRG0501-MQRG1301, MQRG05L-MQRG12L, MQRG1501-MQRG1601, MQRG14L-MQRG20L: Lifetime symptoms of depression

The questionnaire inquires whether a symptom has occurred at

any time in life (G5-G20). Each of these DIS symptom questions can take a value of "1-4." The value "2" means the respondent said "No" or "Don't know." If the respondent said "Yes," additional "probe" questions were asked. First, the respondent was asked if they told a doctor about the symptom. The answer to this probe question is included after each respective lifetime symptom. When the interview was given on hard copy (i.e., not by computer - See MQRHCFLG, a flag for hard copy), no probe questions were recorded so the probe questions are filled with 8's (blank but applicable).

The respondent was then asked if the symptom was always due to a physical illness or injury (this included pregnancy). If the respondent said "Yes," then a "4" was coded. If the respondent said "No," then he/she was next asked whether the symptom always occurred when he/she used medicine, alcohol, or drugs. If the respondent said "Yes," then a "3" was coded. If the respondent said "No," then a "1" was coded. A value of "1" indicates that the possibility of this being a symptom of a mental disorder cannot be ruled out. Additional probes were asked for G13. (See notes for MQRG1302-MQRG1304.)

As a word of caution, in the Spanish version of question G8, "Have you ever had a period of two weeks or more when you had trouble falling asleep, staying asleep, or with waking up too early?," the phrase used for "falling asleep" really meant "staying asleep" rather than what was intended. Still another phrase was used for the part of the question "staying asleep." Consequently, "staying asleep" was well covered and "falling asleep" was not. There is no way to tell to what extent this affected the number of positive responses.

MQRDGP1L-MQRDGP8L: Summary questions

The lifetime depressive symptom questions (G5-G20) are arranged in eight groups, each of which approximates one of the diagnostic criteria in Section B of the definition of a major depressive episode from the American Psychiatric Association's Diagnostic and Statistical Manual, Third Edition (DSM-III).

MQRDGP1L- MQRDGP8L are the eight summary variables which indicate the number of positive (1's) lifetime symptoms in each of the respective groups.

MQRG13L, MQRG1302-MQRG1304: Decreased interest in sex

If the respondent answered "Yes" to the initial question (G13: decreased interest in sex), a series of additional questions was asked (MQRG1302- MQRG1304). If the respondent answered "No" to all three questions, then a code "6" (yes,

but wasn't bothered) was entered for G13, indicating that the symptom was below the diagnostic threshold. If the respondent answered "Yes" to any one of these three additional questions, then the normal "probe" questions were asked, leading to an assignment of values 1, 3, 4, that is, whether the symptom was always due to physical illness or injury or medicine, alcohol, or drugs; any remaining parts of MQRG1302-MQRG1304 were skipped after a "Yes" response to any one of the probes.

If the respondent volunteered that he/she had never been interested in sex, the value "5" (no interest ever) was coded.

MQRG21-MQRG25: Depression module decision points

Item G21 asks the interviewer whether three or more summary groups of the possible eight had at least one "Yes" response coded. If there were fewer than three, all the remaining DIS depression questions were skipped and the interviewer moved to the mania questions (G41-G49).

If a respondent had three or more DSM-III symptoms during his/her life (G21), the interviewer asked one of two parallel series of questions to determine whether questions pertaining to the worst depressive episode should be asked. The series of questions are explained below:

Series A, Questions G22, G23, and G26: G21 was coded "1" if there were three or more depressive symptoms and the respondent answered "Yes" to the initial question (G2) about two weeks or more of feeling sad, blue, or depressed. The respondent was then asked G22 about having these problems cluster in time, in the same month. If the answer was "Yes," G26 was asked. If the response to G22 was "No" (meaning the problems did not cluster in the same month), then a second question about temporal clustering was asked (G23). If the respondent again denied having problems cluster ("Yes, never been a period"), the remaining depression questions were skipped and the interviewer moved on to the mania questions. If the respondent said "No, has been a period" to G23, then G26 was asked.

Series B Questions G24, G25, and G26: G21 was coded "2" if there were three or more depressive symptoms and the respondent answered "No" to the initial question (G2) about ever having had two weeks or more of feeling sad, blue, or depressed. G24 was then asked to determine if several of the depressive symptoms (G5-G20) were clustered together in the same month. If the answer to this was "No," then the remaining DIS depression questions were skipped and the interviewer moved on to the mania questions. If the answer was "Yes" then G25 was asked, which elicits symptoms of "masked depression." If the respondent indicated that he/she felt "low, gloomy, blue, or uninterested" then he/she was asked G26. If the respondent indicated that he/she felt

"okay," the remaining DIS depression questions were skipped and the interviewer moved on to the mania questions.

MQRG05W-MQRG20W: Worst episode depressive symptoms

These questions ask about symptoms during the worst episode identified in G40. Each of the questions about a worst depressive episode is parallel to one of the lifetime depression questions: for example, MQRG05L asks "has there ever been a period of two weeks or longer when you lost your appetite?" The corresponding worst episode question, MQRG05W, asks, "Did you lose your appetite?" The worst episode question (in this example, MQRG05W) was only asked if the corresponding lifetime question (in this example, MQRG05L) was coded "1." The worst episode question was coded "Yes" or "No," indicating the presence or absence of the symptom during the worst depressive episode. A diagnosis of major depressive episode was based on the symptoms during the worst depressive episode (MQRG05W-MQRG20W) which are transformed into eight DSM-III symptom groups (MQRDGP1W-MQRDGP8W), and is not based on the lifetime depressive symptoms (MQRG05L-MQRG20L).

MQRG41L-MQRG49L: Lifetime symptoms of mania

The questionnaire inquires about whether a symptom has occurred at any time in life (G41-G49). Each of these (DIS) symptom questions can take a value of "1-3." The value "2" means the respondent said "No" or "don't know." If the respondent said "Yes," two additional "probe" questions were asked. The respondent was asked whether the symptom ever occurred when he/she used medicine, alcohol, or drugs. If the respondent said "Yes," then he/she was next asked whether the symptom always occurred when he/she used medicine, alcohol, or drugs. If the respondent said "Yes," then a "3" was coded. If the respondent said "No" to either question, then a "1" was coded. A value of "1" indicates that the possibility of this being a symptom of a mental disorder cannot be ruled out. When the interview was given on hard copy (i.e., not by computer - See MQRHCFLG, a flag for hard copy), responses to probe questions were not recorded so the probe questions are filled with 8's (blank but applicable).

MQRG47EX: Examples of special gift or power

If the respondent answered "Yes" to G47L, possessing a special gift or power, they were asked for an example. Since a high percentage of the examples given had to do with extra sensory perception (ESP), it was decided to code these examples into two categories, ESP and other. There were not enough examples with similar characteristics to code any other group.

The query regarding special gifts or powers is intended to elicit reports of beliefs about the self which are psychotic in nature. If the example did not meet this precept, the symptom (MQRG47L) was coded "No" and the example deleted.

MQRG50-MQRG54: Mania module decision points

Item G50 asks the interviewer whether two or more lifetime symptoms of the possible eight (MQRG42L- MQRG49L) had at least one response of "1" coded. If there was a "Yes" response of one or less lifetime symptoms, all the remaining mania questions were skipped and the interviewer moved to the next section. The remaining DIS questions were coded as blank.

If a respondent had two or more DSM-III symptoms during his/her life, the interviewer asked one of three parallel series of questions to determine whether questions pertaining to the worst episode of mania should be asked or possibly skipped to the next section. The three series are explained below:

Series A, Questions G51, G52, and G55: G50 was coded "1" if there were two or more symptoms of mania and the respondent answered "Yes" to the initial question (G41) about one week or more of feeling high or manic. The respondent was then asked G51 about having these problems cluster in time, in the same month. If the answer was "Yes," G55 was asked. If the response to G51 was "No" (meaning the problems did not cluster in the same month), then a second question about temporal clustering was asked (G52). If the respondent again denied having problems cluster ("Yes, never been a period"), the remaining mania questions were skipped and the interviewer moved on to the next section. If the respondent said "No, has been a period" to G52, G55 was asked.

Series B, Questions G53-G55: G50 was coded "2" if there were three or more symptoms of mania and the respondent answered "No" or "Always due to medication/drugs/alcohol" to the initial question (G41) about ever having had one week or more of feeling high or manic. G53 was then asked to determine if several of the depressive symptoms (G42-G49) were clustered together in the same month. If the answer to this was "No," then the remaining DIS mania questions were skipped and the interviewer moved on to the next section. If the answer was "Yes" then G54 was asked, which elicits symptoms of irritable mood. If the respondent indicated that he/she felt "unusually irritable or likely to fight or argue" then he/she was asked G55. If the respondent indicated that he/she never felt irritable, the remaining DIS mania questions were skipped and the interviewer moved on to the next section.

Series C: G50 was coded "3" if: 1) there were only two symptoms of mania coded "1" and the respondent answered "No" or "Always due to medication/drugs/alcohol" to the initial

question (G41) about ever having had one week or more of feeling high or manic, i.e., responses "2" or "3;" or, 2)there was only one or less symptoms of mania coded "1." With these combinations, the remaining DIS mania questions were skipped and the interviewer moved on to the next section.

MQRG42W-MQRG49W: Worst episode symptoms of mania

These questions ask about symptoms during the worst episode of mania identified in G66. Each of the questions about a worst episode of mania is parallel to one of the lifetime mania questions: for example, MQRG42L asks "has there ever been a period of a week or more when you were so much more active than usual that you or your family or friends were concerned about it?" The corresponding worst episode question, MQRG42W, asks, "Were you so much more active than usual that you or your family or friends were concerned about it?" The worst episode question (in this example, MQRG42W) was only asked if the corresponding lifetime question (in this example, MQRG42L) was coded "1." The worst episode question was coded "Yes" or "No," indicating the presence or absence of the symptom during the worst episode of mania. A diagnosis of manic episode was based on the symptoms during the worst episode of mania (MQRG42W-MQRG49W) which were transformed into seven DSM-III symptom groups (MQRMNG1W-MQRMNG7W), and is not based on the lifetime symptoms of mania (MQRG42L- MQRG49L).

MQRDGP1W-MQRDGP8W, MQRDYSFR, MQRDEP: The diagnostic variable "MQRDEP"

The variable MQRDEP indicates the diagnosis of major depressive episode which is based on Criteria A and B of the DSM-III definition of major depressive episode. Criteria C and D were not assessed, and E was only assessed for bereavement. The minimum severity requirement is that these symptoms cause help-seeking or subjective impairment (at least one "Yes" to G28-G31).

Criterion A for the diagnosis of major depressive episode in DSM- III calls for "dysphoric mood or loss of interest or pleasure in all or almost all usual activities and pastimes." If the respondent said "Yes" to the initial depression question (G2), or if there were at least two weeks of dysphoria combined with some other problems (G26), then the person was said to have "dysphoria," and was considered to have met Criterion A for the diagnosis of major depressive episode (MQRDYSFR=1).

The DSM-III definition of Criterion B for major depressive episode contains eight symptoms, at least four ($4 \leq \text{MQRDGPSW} \leq 8$) of which must be present during a depressive episode in order to qualify for a diagnosis. These eight symptoms

are approximated by the following NHANES III questions
(Note that the DSM-III Symptoms are given in the order that
they are asked in the DIS, rather than the order in the
DSM-III Manual):

DSM-III Symptom	NHANES III Questions
1. Appetite or weight change	G05W, G06W, or G07W
2. Insomnia or hypersomnia	G08W or G09W
3. Loss or energy, fatigue	G10W
4. Agitation or retardation	G11W or G12W
5. Loss of interest in sex	G13W
6. Feeling worthless or guilty	G14W
7. Trouble thinking, concentrating	G15W or G16W
8. Thoughts of death or suicide	G17W, G18W, G19W, or G20W

MQRDGP1W-MQRDGP8W give the number of positive items per
group for the eight corresponding groups above.

Criterion "E" is only assessed by the absence of
uncomplicated bereavement as the cause of depression, i.e.,
depressed spells were never due to the death of someone
close to the respondent or they may have been caused by
things other than death (MQRG34 = 2).

The variable MQRDEP can take seven values:

- 1 No diagnosis
- 2 Major depressive episode without severity
- 3 Major depressive episode with severity
- 4 Severe bereavement
- 5 Non-severe bereavement
- 88 Blank but applicable
- Blank

MQRDEP = 1. No major depressive episode was diagnosed if
the respondent answered sufficient questions so that
Criteria A and B could be determined and did not qualify for
a diagnosis of major depressive episode or bereavement (as
defined below).

MQRDEP = 2. Major depressive episode without severity was
diagnosed if Criteria A, B and E were met but without
severity (all no's for G28-G31).

MQRDEP = 3. Major depressive episode with severity was
diagnosed if Criteria A, B, and E were met plus severity (at
least one "Yes" to G28-G31).

MQRDEP = 4. Severe bereavement meets Criteria A and B plus
severity (i.e., MQRDEP=3), but depressed spells ONLY due to
death of someone close (MQRG34=1).

MQRDEP = 5. Non-severe bereavement meets Criteria A and B
but not severity (i.e., MQRDEP=2), but depressed spells ONLY

due to death of someone close (MQRG34=1).

MQRDEP = 88. The major depressive episode variable was coded a "Blank but applicable" value if the respondent did not answer sufficient questions so that Criteria A and B could be determined. The respondent must answer the initial depression question (MQRG02) and at least 11 of the lifetime symptom questions (MQRG05L-MQRG20L) as well as the appropriate worst episode symptom questions (MQRG05W-MQRG20W).

MQRDEP = Blank. The major depressive episode variable was coded a "Blank" if the sample person was not eligible to receive the depression questions.

MQRDPSX1-MQRDPSX2, MQRDGPSW: Total depressive symptom group counts

The two variables MQRDGPSW and MQRDPSX2 report the total number of positive depressive symptom groups in the worst episode (sum of all groups where MQRDGP1W to MQRDGP8W contained at least one positive symptom) and lifetime (sum of all groups where MQRDGP1L to MQRDGP8L contained at least one positive symptom), respectively. The latter also adds dysphoria (MQRDYSFR=1). These variables range from 0-8 and 0-9, respectively. MQRDGPSW is used in determining the diagnosis of major depressive episode and MQRDPSX2 is used in the total symptom count.

The variable MQRDPSX1 reports the total number of positive symptoms in the worst episode (sum of MQRDGP1W to MQRDGP8W) plus dysphoria (MQRDYSFR=1) with a range of 0-17. (Note that this variable is a sum of positive symptoms, not positive symptom groups.)

MQRFDDP, MQRLDDP: Age of first and last depressive symptoms

The two variables MQRFDDP and MQRLDDP code the age of the respondent the first and last time, respectively, he/she experienced depressive symptoms if he/she ever met criteria for any major depressive episode ($2 \leq \text{MQRDEP} \leq 5$). MQPFDDP uses the age in MQRG32 and MQRLDDP combine the age and time frame information in MQRG35, MQRG36 and MQRG37.

MQRMNGP1-MQRNMGP7, MQREUFOR, MQRMANIA: The diagnostic variable "MQRMANIA"

The variable MQRMANIA indicates the diagnosis of manic episode which is based on Criteria A and B of the DSM-III definition of manic episode. Criteria C, D and E were not assessed. The minimum severity requirement is that these symptoms cause help-seeking or subjective impairment (at least one "Yes" in MQRG57-MQRG60).

Criterion A for the diagnosis of manic episode in DSM-III

calls for "one or more distinct periods with a predominantly elevated, expansive, or irritable mood." If the respondent said "Yes" to the initial mania question (MQRG41L=1) then the respondent was considered euphoric (MQREUFOR=2). If the respondent said "Yes" (1) to MQRG54 then the respondent was considered irritable (MQREUFOR=1).

The DSM-III definition of Criterion B for manic episode requires a duration of at least one week during which, for most of the time, at least three of the seven symptoms have persisted (four if the mood is only irritable) and have been present to a significant degree. These seven symptoms are approximated by the following NHANES III questions:

DSM-III Symptom	NHANES III Questions
1. Hyperactivity/hypersexuality	G42W or G44W
2. Pressure to keep talking	G45W
3. Thoughts racing	G46W
4. Inflated self-esteem e.g., special gifts or powers	G47W
5. Decreased need for sleep	G48W
6. Distractibility	G49W
7. Excessive involvement in activities that have a high potential for painful consequences which is not recognized, e.g., buying sprees	G43W

MQRMNG1W-MQRMNG7W give whether the symptom is present or not for the seven corresponding groups above.

The variable MQRMANIA can take five values:

- 1 No diagnosis
- 2 Manic episode without severity
- 3 Manic episode with severity
- 88 Blank but applicable
- Blank

MQRMANIA = 1. No mania episode was diagnosed if the respondent answered sufficient questions so that Criteria A and B could be determined and did not qualify for a diagnosis of manic episode.

MQRMANIA = 2. Manic episode without severity was diagnosed if Criteria A and B were met but without severity (all no's for MQRG57-MQRG60).

MQRMANIA = 3. Manic episode with severity was diagnosed if Criteria A and B were met as well as severity (at least one "Yes" for MQRG57-MQRG60).

MQRMANIA = 88. The manic episode variable was coded a "Blank but applicable" value if the respondent did not answer sufficient questions so that Criteria A and B could be determined. The respondent must answer the initial mania

question (MQRG41), or the irritability question (MQRG54), and at least 6 of the lifetime symptom questions (MQRG41L-MQRG49L) as well as the appropriate worse episode symptom questions (MQRG42W-MQRG49W).

MQRMANIA = Blank. The manic episode variable was coded a "Blank" if the sample person was not eligible to receive the mania questions.

MQRMNGSW, MQRMNSX1-MQRMNSX2: Total manic symptom group counts

The two variables MQRMNGSW and MQRMNSX2 code the total number of positive manic symptom groups in the worst episode (sum of groups MQRMNGP1 to MQRMNGP7 with a "Yes" response) and during lifetime (questions MQRG42L to MQRG49L are grouped into DSM-III groups 1 to 7 and the number of positive groups is counted), respectively. The latter also adds the euphoria or irritability symptom ($1 \leq \text{MQREUFOR} \leq 2$). These variables range from 0-7 and 0-8, respectively. MQRMNGSW is used in determining the diagnosis of manic episode and MQRMNSX2 is used in the total symptom count.

The variable MQRMNSX1 reports the total number of positive symptoms in the worst episode (sum of MQRMNGP1 to MQRMNGP8) plus euphoria or irritable mood ($1 \leq \text{MQREUFOR} \leq 2$) with a range of 0-8. (Note that this variable is a sum of positive symptoms, not positive symptom groups).

MQRFDNM, MQRLDMN: Age of first and last manic symptoms

The two variables MQRFDNM and MQRLDMN report the age of the respondent the first and last time, respectively, he/she experienced manic symptoms if he/she ever met criteria for any manic episode ($2 \leq \text{MQRMANIA} \leq 3$). MQRFDNM uses the age in MQRG61 and MQRLDMN combines the age and time frame information in MQRG62, MQRG63 and MQRG64.

MQRDEPSE: The diagnostic variable "MQRDEPSE"

The variable MQRDEPSE indicates the DSM-III diagnosis of major depression, single episode, and is constructed using MQRDEP and MQRMANIA. The diagnosis of major depression, single episode is not made if the depression is the sole result of severe or non-severe bereavement (MQRDEP= 4 or 5) or if a manic episode is present (MQRMANIA= 2 or 3). There must be only one episode of major depression.

The variable MQRDEPSE can take five values:

- 1 No diagnosis
- 2 Major depression, single episode without severity
- 3 Major depression, single episode with severity
- 88 Blank but applicable
- Blank

MQRDEPSE = 1. No major depressive episode was diagnosed (MQRDEP=1) although there could be severe or non-severe bereavement (MQRDEP=4 or 5) or some form of mania was diagnosed (MQRMANIA=2 or 3).

MQRDEPSE = 2. A single episode (MQRG27=1) of major depression without severity was diagnosed (MQRDEP=2) and no manic episodes were present (MQRMANIA=1). MQRDEPSE = 3. A single episode (MQRG27=1) of major depression with severity was diagnosed (MQRDEP=3) and no manic episodes were present (MQRMANIA=1).

MQRDEPSE = 88. The major depression, single episode variable was coded "Blank but applicable" if one of the following is true:

1. MQRDEPSE=1 and MQRBIPOL= (Blank or 88) and MQRDEP= (Blank or 88)
2. MQRDEPSE=1 and MQRBIPOL= (Blank or 88) and MQRDEP=3
3. MQRDEPSE=1 and MQRBIPOL=1 and MQRDEP= (Blank or 88)
4. MQRDEPSE=1 and MQRBIPOL=1 and MQRDEP=3 and MQRG27= (Blank, 888, or 999)

MQRDEPSE = Blank. The major depression, single episode variable was coded a "Blank" if the sample person was not eligible to receive the depression/mania questions.

MQRFDDSE, MQRLDDSE: Age of first and last depressive symptoms associated with major depression, single episode

The two variables MQRFDDSE and MQRLDDSE code the age of the respondent the first and last time, respectively, he/she experienced depressive symptoms if he/she ever met criteria for a major depression, single episode which was not due solely to bereavement ($2 \leq \text{MQRDEPSE} \leq 3$). MQRFDDSE uses the age in MQRFDDP and MQRLDDSE uses the age in MQRLDDP.

MQRDEPRT: The diagnostic variable "MQRDEPRT"

The variable MQRDEPRT indicates the DSM-III diagnosis of major depression, recurrent, and is constructed using MQRDEP and MQRMANIA. The diagnosis of major depression, recurrent, is not made if the depression is the sole result of severe or non-severe bereavement (MQRDEP=4 or 5) or if a manic episode is present (MQRMANIA= 2 or 3). There must be more than one episode of major depression.

The variable MQRDEPRT can take five values:

- 1 No diagnosis
- 2 Major depression, recurrent without severity
- 3 Major depression, recurrent with severity
- 88 Blank but applicable
- Blank

MQRDEPRT = 1. No major depressive episode was diagnosed (MQRDEP=1) although there could be severe or non-severe bereavement (MQRDEP=4 or 5) or some form of mania was diagnosed (MQRMANIA=2 or 3).

MQRDEPRT = 2. Recurrent episodes ($2 \leq \text{MQRG27} \leq$ (whole life) or don't know how many spells) of major depression without severity were diagnosed (MQRDEP=2) and no manic episodes were present (MQRMANIA=1).

MQRDEPRT = 3. Recurrent episodes ($2 \leq \text{MQRG27} \leq$ (whole life) or don't know how many spells) of major depression with severity were diagnosed (MQRDEP=3) and no manic episodes were present (MQRMANIA=1).

MQRDEPRT = 88. The major depression, recurrent variable was coded "Blank but applicable" if one of the following is true:

1. MQRDEPRT=1 and MQRBIPOL= (Blank or 88) and MQRDEP= (Blank or 88)
2. MQRDEPRT=1 and MQRBIPOL= (Blank or 88) and MQRDEP=3
3. MQRDEPRT=1 and MQRBIPOL=1 and MQRDEP= (Blank or 88)
4. MQRDEPRT=1 and MQRBIPOL=1 and MQRDEP=3 and MQRG27= (Blank, 888, or 999)

MQRDEPRT = Blank. The major depression, recurrent variable was coded a "Blank" if the sample person was not eligible to receive the depression/mania questions.

MQRFDDRT, MQRLDDRT: Age of first and last depressive symptoms associated with major depression, recurrent

The two variables MQRFDDRT and MQRLDDRT report the age of the respondent the first and last time, respectively, he/she experienced depressive symptoms if he/she ever met criteria for major depression, recurrent, which was not due solely to bereavement ($2 \leq \text{MQRDEPRT} \leq 3$). MQRFDDRT uses the age in MQRFDDP and MQRLDDRT uses the age in MQRLDDP.

MQRDYSA, MQRDYSD, MQRDYSTH: The diagnostic variable "MQRDYSTH"

The variable MQRDYSTH indicates the diagnosis of dysthymic disorder. The diagnosis of dysthymic disorder is based on Criteria A through D of the DSM-III definition of dysthymic disorder. Criteria E and F were not assessed. This disorder differs from major depressive disorder in that during the past two years, the individual has been bothered most or all of the time by symptoms characteristic of the depressive syndrome but that are not of sufficient severity and duration to meet the criteria for a major depressive episode.

Criteria A, B, and C of the DSM-III are encompassed in the variable MQRDYSA. This requires two years or more of

predominately depressive mood or marked loss of interest or pleasure in all, or almost all, usual activities and pastimes (MQRG03=1 or 104 weeks <= MQRG26 <= whole life).

The DSM-III definition of Criterion D for dysthymic disorder contains 13 symptoms, at least three (3 <= MQRDYSYD <= 7) of which must be present during the depressive periods in order to qualify for a diagnosis. Seven of these symptoms are covered by the following NHANES III questions.

DSM-III Symptom	NHANES III Questions
1. Insomnia or hypersomnia	G08L or G09L
2. Low energy, chronic tiredness	G10L
3. Feeling inadequate/low self-esteem	G14L
5. Trouble thinking	G15L or G16L
7. Less interest in pleasurable activities	G13L
10. Less active or talkative	G11L or G12L
13. Recurrent thoughts of death or suicide	G17L or G18L or G19L

DSM-III symptoms not available in the NHANES III

- 4. Decreased effectiveness
- 6. Social withdrawal
- 8. Irritability
- 9. Lack of pleasure in rewards
- 11. Brooding about the past or self-pity
- 12. Crying spells

The variable MQRDYSTH can take five values:

- 1 No diagnosis
- 2 Dysthymic disorder with no major depressive episode
- 3 Dysthymic disorder with major depressive episode
- 88 Blank but applicable

Blank

MQRDYSTH = 1. No dysthymic disorder was diagnosed if the respondent answered sufficient questions so that Criteria A through D could be determined and did not qualify for a diagnosis of dysthymic disorder.

MQRDYSTH = 2. Dysthymic disorder was diagnosed if the respondent met Criteria A through D but did not have a diagnosis of major depressive episode (MQRDEP not equal to 3).

MQRDYSTH = 3. Dysthymic disorder was diagnosed if the respondent met Criteria A through D and had a diagnosis of major depressive episode as well (MQRDEP = 3).

MQRDYSTH = 88. The dysthymic disorder variable was coded a "Blank but applicable" value if the respondent did not answer sufficient questions so that Criteria A through D

could be determined. The respondent must answer the initial two year depression question MQRG03 or the length of spell question MQRG26 and at least nine of the 12 lifetime symptom questions listed above for Criterion D plus MQPG03.

MQRDYSTH = Blank. The dysthymic disorder variable was coded a "Blank" if the sample person was not eligible to receive the depression questions.

MQRBIPOL: The diagnostic variable "MQRBIPOL"

The variable MQRBIPOL indicates the DSM-III diagnosis of bipolar disorder, and is constructed using MQRDEP and MQRMANIA. The diagnosis of bipolar disorder is made only if there has ever been a manic episode.

The variable MQRBIPOL can take eight values:

MQRBIPOL = 1. No bipolar disorder was diagnosed if there has never been a diagnosis of manic episode.

MQRBIPOL = 2. Bipolar disorder is diagnosed if severity and exclusion criteria are met for both a manic and a major depressive episode (MQRMANIA=3 and MQRDEP=3).

MQRBIPOL = 3. Bipolar disorder is diagnosed if severity and exclusion criteria are met for a manic episode (MQRMANIA=3), but a major depressive episode is either absent (MQRDEP=1, 4 or 5) or the diagnosis is missing (MQRDEP=Blank or 88).

MQRBIPOL = 4. Bipolar disorder is diagnosed if severity and exclusion criteria are met for a manic episode (MQRMANIA=3), but not for a major depressive episode (MQRDEP=2).

MQRBIPOL = 5. Bipolar disorder is diagnosed if no manic episode met both severity and exclusion criteria (MQRMANIA=2) and a major depressive episode is either absent (MQRDEP=1, 4 or 5) or the diagnosis is missing (MQRDEP=Blank or 88).

MQRBIPOL = 6. Bipolar disorder is diagnosed if no manic episode met both severity and exclusion criteria (MQRMANIA=2) and the major depressive episodes may or may not meet both severity and exclusion criteria (MQRDEP=2 or 3).

MQRBIPOL = 88. The bipolar disorder variable was coded a "Blank but applicable" value if the diagnosis for manic episode is missing (MQRMANIA=Blank or 88).

MQRBIPOL = Blank. The bipolar disorder variable was coded a "Blank" if the sample person was not eligible to receive the depression/mania questions.

MQRFDBI, MQRDLDBI: Age of first and last manic symptoms

associated with bipolar disorder

The two variables MQRFDDBI and MQRDLDBI report the age of the respondent the first and last time, respectively, he/she experienced manic symptoms if he/she ever met criteria for any bipolar diagnosis ($2 \leq \text{MQRBIPOL} \leq 6$). MQRFDDBI uses age at first manic symptoms (MQRFDDBI) when $2 \leq \text{MQRBIPOL} \leq 6$ or age at first depressive symptoms (MQRFDDBI) if $\text{MQRBIPOL}=2, 4$ or 6 and $0 \leq \text{MQRFDDBI} \leq \text{MQRFDDBI}$. MQRDLDBI uses age at last manic symptoms (MQRDLDBI) when $2 \leq \text{MQRBIPOL} \leq 6$ or age at last depressive symptoms (MQRDLDBI) if $\text{MQRBIPOL}=2, 4$ or 6 and $\text{MQRDLDBI} \geq 0$ and $\text{MQRDLDBI} \leq \text{MQRDLDBI} \leq 54$.

MQRBIPII: The diagnostic variable "MQRBIPII"

The variables MQRDEP and MQRMANIA report the DSM- III syndromes of major depressive episode and manic episode, respectively, and are used to construct various DSM-III diagnoses. The variable MQRBIPII is the DSM-III diagnosis of atypical bipolar disorder (bipolar disorder, type II). The diagnosis of atypical bipolar disorder is made only if the respondent:

1. Does not meet criteria for bipolar disorder ($\text{MQRBIPOL}=1$)
2. Does not meet criteria for a manic episode ($\text{MQRMANIA}=1$)
3. Has a major depressive episode ($\text{MQRDEP}=2$ or 3)
4. Has euphoria or irritability ($1 \leq \text{MQRREUFOR} \leq 2$)
5. Has some symptoms of mania ($1 \leq \text{MQRMNGSW} \leq 3$)

The variable MQRBIPII can take five values:

- 1 No diagnosis
- 2 Atypical bipolar disorder without severity
- 3 Atypical bipolar disorder with severity
- 88 Blank but applicable
- Blank

MQRBIPII = 1. No atypical bipolar disorder is diagnosed if there has ever been a manic episode ($2 \leq \text{MQRMANIA} \leq 3$) or bipolar disorder ($2 \leq \text{MQRBIPOL} \leq 6$) and a major depressive episode is absent or missing ($\text{MQRDEP}=1, 4, 5, 88$, or Blank).

MQRBIPII = 2. Atypical bipolar disorder without severity is diagnosed if a major depressive episode without severity is present ($\text{MQRDEP}=2$) and the criteria for a manic episode is not met ($\text{MQRMANIA}=1$) but euphoria or irritability is present ($1 \leq \text{MQRREUFOR} \leq 2$) and some manic symptoms are present ($1 \leq \text{MQRMNGSW} \leq 3$).

MQRBIPII = 3. Atypical bipolar disorder with severity is diagnosed if a major depressive episode with severity is present (MQRDEP=3) and the criteria for a manic episode is not met (MQRMANIA=1) but euphoria or irritability is present (1 <= MQRREUFOR <= 2) and some manic symptoms are present (1 <= MQRMNGSW <= 3).

MQRBIPII = 88. The atypical bipolar disorder variable was coded "Blank but applicable" if one of the following is true:

MQRBIPII=1 and MQRDEP= (Blank or 88)

2. MQRBIPII=1 and MQRMANIA= (Blank or 88) and MQRDEP=3

MQRBIPII = Blank. The atypical bipolar disorder variable was coded a "Blank" if the sample person was not eligible to receive the depression/mania questions.

MQRFDBII, MQRldbII: Age of first and last manic symptoms associated with atypical bipolar disorder

The two variables MQRFDBII and MQRldbII report the age of the respondent the first and last time, respectively, he/she experienced depressive symptoms if he/she ever met criteria for any atypical bipolar disorder diagnosis (2 <= MQRBIPII <= 3). MQRFDBII uses age at first depressive symptoms (MQRfDDP) and MQRldbII uses age at last depressive symptoms (MQRlDDP).

MEC ADULT QUESTIONNAIRE (Except DIS)

The MEC Adult Questionnaire was administered to all examinees aged 17 years and older in the mobile examination center (MEC). Conducted by a trained interviewer in a private room to ensure confidentiality, the automated questionnaire included sections on drug, alcohol, and tobacco use, sexual experience, women's reproductive history, and mental health. Because this questionnaire was administered in the examination center, the MEC examination sample weight (WTPFEX6) should be used for data analysis. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

Several portions of the MEC Adult Questionnaire were asked of examinees within specific age groups, and others were specific to one gender. For example, the cognitive-function section was administered to examinees 60 years and older, and the birth control-use section was administered only to women. Age and sex check items that were part of the questionnaire have been retained in the documentation and can be used to determine these subsets. One portion of the questionnaire (Section G), the Diagnostic Interview Schedule, was edited and documented separately (see Diagnostic Interview Schedule).

A modified MEC Adult Questionnaire was administered to adults 20 years and older during the interview portion of the Home Examination. It included sections on tobacco use, cognitive function, selected medical conditions, reproductive health, and medicine, vitamin, and mineral usage. Questions from the two interviews can be combined for analysis; however, the analyst should be aware of slight differences between the questionnaires. For example, the reproductive health section of the interview administered in the Home Examination was shorter, and skip patterns were not identical to those in the MEC Adult Questionnaire. For analyses of combined data from the MEC Adult and the Home Examination interviews, MEC+home examination weights (WTPFH6) should be used (see Home Examination, Interview).

Data processing and editing were performed for the consistency of responses within the sections of the questionnaire. Notes have been provided both for standardized and recoded variables and for variables requiring additional explanation. The notes reference the questions, by section and number, from the questionnaires which can be found in the Plan and Operation of the National Health and Nutrition Examination Survey, 1988-1994 (NCHS, 1994; U.S. DHHS, 1996b).

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION A. TOBACCO

Positions SAS name	Counts	Item description and code	Notes
		First I would like to ask you a few questions about tobacco use.	
3308-3310 MARA1		How many cigarettes have you smoked in the past 5 days?	
	937	000 None	
	400	001-400	
	157	888 Blank but applicable	
	1102	Blank	
3311-3312 MARA2A		How many pipes have you smoked in the past 5 days?	
	1328	00 None	
	9	01-30	
	157	88 Blank but applicable	
	1102	Blank	
3313-3314 MARA2B		How many cigars have you smoked in the past 5 days?	
	1324	00 None	
	13	01-25	
	157	88 Blank but applicable	
	1102	Blank	
3315-3316 MARA3		How many containers of chewing tobacco or snuff have you used in the past 5 days? (IF BOTH USED, ENTER TOTAL NUMBER.)	
	1308	00	
	22	01-11	
	7	77 Less than one container	
	157	88 Blank but applicable	
	1102	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION A. TOBACCO

Positions		Item description	
SAS name	Counts	and code	Notes
3317-3318		How many pieces of nicotine gum	
MARA4		have you chewed in the past 5 days?	
		(Nicotine gum is a sugar-free	
		flavored chewing gum prescribed by a	
		doctor to help people stop smoking or	
		chewing tobacco.)	
	1331	00	
	5	01	
	1	07	
	157	88	Blank but applicable
	1102	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION B. COGNITIVE FUNCTION - PART A

Positions		Item description	
SAS name	Counts	and code	Notes

	3319	CHECK ITEM. REFER TO AGE OF SP.	
MARB1	1041	1 Less than 60 years (MARC1)	
	453	2 60 years old or older	
	1102	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION B. COGNITIVE FUNCTION - PART A

Positions SAS name	Counts	Item description and code	Notes

		Now I'm going to read you a short story and when I'm through I'm going to wait a few seconds and then ask you to tell me as much as you can remember.	See note
		The story is: SLOWLY Three children were alone at home and the house caught on fire. A brave fireman managed to climb in a back window and carry them to safety. Aside from minor cuts and bruises, all were well.	
		PAUSE FOR A FEW SECONDS	
		Please tell me the story.	
		(Ideas Presented In Answer)	
3320 MARB2A	391 18 44 2143	Three children 1 Yes, recalled detail 2 No, did not recall 8 Blank but applicable Blank	
3321 MARB2B	361 48 44 2143	House on fire 1 Yes, recalled detail 2 No, did not recall 8 Blank but applicable Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION B. COGNITIVE FUNCTION - PART A

Positions SAS name	Counts	Item description and code	Notes
	3322	Fireman climbed in	
MARB2C	299	1 Yes, recalled detail	
	110	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	
	3323	Children rescued	
MARB2D	372	1 Yes, recalled detail	
	37	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	
	3324	Minor injuries	
MARB2E	293	1 Yes, recalled detail	
	116	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	
	3325	Everyone well	
MARB2F	179	1 Yes, recalled detail	
	230	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION C. SELECTED CONDITIONS/MEDICINE, VITAMIN, AND MINERAL USAGE

Positions SAS name	Counts	Item description and code	Notes
		Next are a few questions about selected health problems and your recent use of medicines, vitamins, and minerals.	
3326 MARC1		Are you currently trying to lose weight?	
	475	1 Yes	
	862	2 No	
	157	8 Blank but applicable	
	1102	Blank	
3327 MARC2		Are you now or in the past 3 months have you been on treatment for anemia, sometimes called "tired blood" or "low blood"? (Include diet, iron pills, iron shots, transfusions as treatment.)	
	30	1 Yes	
	1306	2 No	
	157	8 Blank but applicable	
	1	9 Don't know	
	1102	Blank	
3328-3329 MARC3		How many colds, flu, diarrhea, vomiting, pneumonia and ear infections have you had in the past 4 weeks?	See note
	988	00 None	
	349	01-21	
	157	88 Blank but applicable	
	1102	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION C. SELECTED CONDITIONS/MEDICINE, VITAMIN, AND MINERAL USAGE

Positions SAS name	Counts	Item description and code	Notes
3330-3331 MARC4		How many times have you donated blood in the past 12 months?	
	1255	00 None (MARC6)	
	82	01-07	
	157	88 Blank but applicable	
	1102	Blank	
3332-3333 MARC5		How long ago was your last blood donation? (mos)	
	75	01-12	
	7	77 Less than one month ago	
	157	88 Blank but applicable	
	2357	Blank	
3334 MARC6		Have you taken or used any antihistamine medicines in the past 2 days? (Antihistamines are medicines taken for symptoms like sneezing and a runny or itchy nose.)	
	109	1 Yes	
	1226	2 No	
	158	8 Blank but applicable	
	1	9 Don't know	
	1102	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION C. SELECTED CONDITIONS/MEDICINE, VITAMIN, AND MINERAL USAGE

Positions		Item description	
SAS name	Counts	and code	Notes

3335		Prescription medicines are medicines that cannot be obtained without a doctor's or a dentist's prescription. Have you taken any prescription medicines during the past 24 hours?	
MARC7	514	1 Yes	
	823	2 No	
	157	8 Blank but applicable	
	1102	Blank	

3336		Have you taken any vitamins or minerals during the past 24 hours?	
MARC8	307	1 Yes	
	1030	2 No	
	157	8 Blank but applicable	
	1102	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION D. COGNITIVE FUNCTION - PART B

Positions SAS name	Counts	Item description and code	Notes
	3337	CHECK ITEM. REFER TO AGE OF SP.	
MARD1	1041	1 Less than 60 years (MARE1)	
	453	2 60 years or older	
	1102	Blank	
		Please recall the short story I read you a few moments ago and tell me as much as you can remember of the story now.	
		(Ideas Presented In Answer)	
	3338	Three children	
MARD2A	378	1 Yes, recalled detail	
	31	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	
	3339	House on fire	
MARD2B	362	1 Yes, recalled detail	
	47	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	
	3340	Fireman climbed in	
MARD2C	292	1 Yes, recalled detail	
	117	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION D. COGNITIVE FUNCTION - PART B

Positions SAS name	Counts	Item description and code	Notes
3341		Children rescued	
MARD2D	375	1 Yes, recalled detail	
	34	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	
3342		Minor injuries	
MARD2E	292	1 Yes, recalled detail	
	117	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	
3343		Everyone well	
MARD2F	161	1 Yes, recalled detail	
	248	2 No, did not recall	
	44	8 Blank but applicable	
	2143	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION E. ALCOHOL/DRUG USE

Positions SAS name	Counts	Item description and code	Notes
		These next questions are about drinking alcoholic beverages. Alcoholic beverages include beer, ale, wine, wine coolers, liquor such as whiskey, gin, rum, or vodka, and cocktails and mixed drinks containing liquor.	
3344 MARE1		In your entire life, have you had at least 12 drinks of any kind of alcoholic beverage? Do not count small tastes.	
	1094	1 Yes	
	243	2 No (MARE8)	
	157	8 Blank but applicable	
	1102	Blank	
3345 MARE2		In the past 12 months did you have at least 12 drinks of any kind of alcoholic beverage?	
	595	1 Yes	
	499	2 No (MARE7)	
	157	8 Blank but applicable	
	1345	Blank	
3346-3348 MARE3S		In the past 12 months, how many days of the year did you drink any alcoholic beverages?	See note
	580	001-364	
	171	888 Blank but applicable	
	1	999 Don't know	
	1844	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION E. ALCOHOL/DRUG USE

Positions SAS name	Counts	Item description and code	Notes
3349-3350 MARE4		On the average, on the days that you drank alcohol, how many drinks did you have a day? (By a drink, I mean a 12-oz beer, a 4-oz glass of wine, or an ounce of liquor.)	
	594	01-32	
	157	88 Blank but applicable	
	1	99 Don't know	
	1844	Blank	
3351-3353 MARE5S		In the past 12 months, how many days of the year did you have 9 or more drinks on a single day?	See note
	401	000 None	
	187	001-364	
	157	888 Blank but applicable	
	7	999 Don't know	
	1844	Blank	
3354-3356 MARE6S		In the past 12 months how many days of the year did you have 5 or more drinks on a single day? Include all types. (Include the (Number in MARE5S) days you had 9 or more drinks)	See note
	266	000 None	
	318	001-364	
	160	888 Blank but applicable	
	8	999 Don't know	
	1844	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION E. ALCOHOL/DRUG USE

Positions SAS name	Counts	Item description and code	Notes
	3357	Was there ever a time or times in your life when you drank 5 or more drinks of any kind of alcoholic beverage almost every day?	
MARE7	180	1 Yes	
	914	2 No	
	157	8 Blank but applicable	
	1345	Blank	
	3358	CHECK ITEM. REFER TO AGE OF SP.	
MARE8	453	1 60 years old or older (MARF1)	
	1041	2 Under 60 yrs old	
	1102	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION E. ALCOHOL/DRUG USE

Positions SAS name	Counts	Item description and code	Notes
		The next few questions are about your experience with drugs.	
3359 MARE9		Have you ever used marijuana?	
	354	1 Yes	
	573	2 No (MARE12)	
	114	8 Blank but applicable	
	1555	Blank	
3360 MARE10		About how many times in your lifetime have you used marijuana?	
	70	1 1 or 2	
	96	2 3 to 10	
	80	3 11 to 99	
	108	4 100 or more	
	114	8 Blank but applicable	
	2128	Blank	
3361-3362 MARE11		During the past month, on how many days did you use marijuana?	
	268	00 None in past month	
	86	01-31	
	114	88 Blank but applicable	
	2128	Blank	
3363 MARE12		Have you ever used crack or cocaine in any form?	
	123	1 Yes	
	804	2 No (MARF1)	
	114	8 Blank but applicable	
	1555	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION E. ALCOHOL/DRUG USE

Positions		Item description	
SAS name	Counts	and code	Notes

3364		About how many times in your	
MARE13		lifetime have you used crack or	
		cocaine (in any form)?	
	33	1 1 or 2	
	31	2 3 to 10	
	38	3 11 to 99	
	21	4 100 or more	
	114	8 Blank but applicable	
	2359	Blank	

3365-3366		During the past month, on how	
MARE14		many days did you use crack or	
		cocaine (in any form)?	
	102	00 None in past month	
	8	01	
	4	02	
	3	03	
	5	05	
	1	12	
	114	88 Blank but applicable	
	2359	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions		Item description	
SAS name	Counts	and code	Notes

3367		CHECK ITEM. REFER TO AGE AND SEX	
MARF1		OF SP.	
	245	1 Male 60 years or older (MARLANG)	
	447	2 Male less than 60 years old	
		(MARF50)	
	802	3 Female	
	1102	Blank	

The next questions ask about your periods or menstrual cycle and about pregnancy history.

3368-3369		How old were you when your periods	
MARF2		or menstrual cycles started? (yrs)	
	704	08-19 (MARF4)	
	93	88 Blank but applicable	
	5	99 Don't know (MARF3)	
	1794	Blank	

3370		Were you younger than 10, 10 to	
MARF3		12, 13 to 15, or 16 or older?	
	2	2 10 to 12	
	2	3 13 to 15	
	1	4 16 or older	
	93	8 Blank but applicable	
	2498	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3371 MARF4		Have you ever been pregnant? Please include miscarriages, stillbirths, tubal pregnancies, abortions, live births, and current pregnancy.	
	610	1 Yes	
	100	2 No (MARF21)	
	92	8 Blank but applicable	
	1794	Blank	
3372-3373 MARF5		How many times have you been pregnant? Again, be sure to count all your pregnancies whether they ended in miscarriage, stillbirth, tubal pregnancy, abortion, or live birth. (Include current pregnancy.)	
	610	01-17	
	1986	Blank	
3374-3375 MARF6		What is the total number of live births (live-born children) you have had?	
	30	00 None (MARF11)	
	93	01 (MARF8)	
	487	02-17	
	1986	Blank	
3376-3377 MARF7R		How old were you at the time of your first live birth? (yrs)	See note
	580	13-39	
	2016	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3378-3379 MARF8	580 2016	How old were you at the time of your last live birth? (yrs) 15-45 Blank	
3380 MARF9	317 263 2016	Did you breastfeed (your child/ any of your children)? 1 Yes 2 No (MARF11) Blank	
3381-3382 MARF10	25 292 2279	(Did you breastfeed your child/ how many of your children did you breastfeed) for at least one month? 00 None 01-17 Blank	
3383 MARF11	239 23 348 1986	CHECK ITEM. REFER TO AGE OF SP. 1 Female greater than 51 years old (MARF21) 2 Female 50-51 years old (MARF14) 3 Female less than 50 years old (MARF12) Blank	
3384 MARF12	17 326 5 2248	(MARK BOX IF KNOWN) Are you now pregnant? 1 Yes 2 No (MARF14) 9 Don't know (MARF14) Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3385 MARF12R		Pregnancy recode	See note
	18	1 Yes	
	411	2 No (MARF14)	
	51	8 Blank but applicable	
	3	9 Don't know (MARF14)	
	2113	Blank	
3386 MARF13		Which month of pregnancy are you in?	
	17	2-9	
	2579	Blank	
		MARK IF KNOWN. OTHERWISE ASK:	
3387 MARF14		(Besides this pregnancy) have you been pregnant in the past 2 years?	
	16	1 Yes-current pregnancy only (MARF16)	
	83	2 Yes-excluding current if pregnant now (MARF15)	
	271	3 No-not pregnant in last 2 years (MARF19)	
	1	8 Blank but applicable	
	2225	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3388 MARF15		How many months ago did your (last) pregnancy end?	
	15	1 Less than 4 months ago	
	11	2 4 months - less than 7 months ago	
	15	3 7 months - less than 10 months ago	
	11	4 10 - 12 months ago	
	31	5 13 - 24 months ago	
	2513	Blank	
3389 MARF16		Did you receive benefits from WIC, that is, Women, Infants, and Children program, in the past 12 months?	
	43	1 Yes	
	51	2 No (MARF19)	
	5	8 Blank but applicable	
	2497	Blank	
3390 MARF17		Are you now receiving benefits from the WIC program?	
	22	1 Yes	
	21	2 No	
	5	8 Blank but applicable	
	2548	Blank	
3391-3393 MARF18S		How many months (did you receive/ have you been receiving benefits from the WIC program?	See note
	43	001-180	
	5	888 Blank but applicable	
	2548	Blank	

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SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3394 MARF19	20	CHECK ITEM. REFER TO MARF6. 1 No live births (MARF21)	
	351	2 1 or more live births or MARF6=missing	
	2225	Blank	
3395 MARF20		Are you now breastfeeding a child?	
	10	1 Yes	
	341	2 No	
	2245	Blank	
3396 MARF21		Have you had a period in the past 12 months?	
	387	1 Yes	
	323	2 No (MARF23)	
	92	8 Blank but applicable	
	1794	Blank	
3397-3398 MARF22		About how long ago was your last period?	
	43	01 Having it now (MARF27)	
	306	02 Less than 2 months ago (MARF27)	
	11	03 2-3 month ago (MARF25)	
	13	04 4-6 months ago (MARF25)	
	12	05 7-9 months ago (MARF25)	
	2	06 10-12 months ago (MARF25)	
	92	88 Blank but applicable	
	2117	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3399-3401 MARF23		About how old were you when you had your last period? (yrs)	See note
	303	020-065 (MARF25)	
	93	888 Blank but applicable	
	19	999 Don't know (MARF24)	
	2181	Blank	
3402-3403 MARF24		Were you younger than 20, 20 to 29, 30 to 39, 40 to 44, 45 to 49, 50 to 54, or 55 or older?	
	3	03 30 to 39	
	4	04 40 to 44	
	6	05 45 to 49	
	6	06 50 to 54	
	93	88 Blank but applicable	
	2484	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
		IF SP IS CURRENTLY PREGNANT, GO TO MARF27. OTHERWISE ASK:	
3404 MARF25		Have you had a hysterectomy? DEFINE IF NECESSARY: Has your uterus/womb been removed?	
	160	1 Yes	
	179	2 No (MARF27)	
	97	8 Blank but applicable	
	2160	Blank	
3405-3407 MARF26		How old were you when you had your (hysterectomy/uterus/womb removed)?	
	157	020-072	
	98	888 Blank but applicable	
	2	999 Don't know	
	2339	Blank	
3408 MARF27		Have you had one or both of your ovaries removed (either when you had your uterus removed or at another time)?	
	118	1 Yes	
	581	2 No (MARF30)	
	92	8 Blank but applicable	
	11	9 Don't know (MARF30)	
	1794	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions		Item description	
SAS name	Counts	and code	Notes

3409		Were both ovaries removed or	
MARF28		only one?	
	44	1 One	
	74	2 Both	
	92	8 Blank but applicable	
	2386	Blank	

3410-3412		How old were you when you had	
MARF29		your (ovary/ovaries) removed? (yrs)	

IF BOTH OVARIES REMOVED, ASK IF
 REMOVED AT DIFFERENT AGES. RECORD
 AGE WHEN SECOND OVARY REMOVED.

	117	016-073	
	92	888 Blank but applicable	
	1	999 Don't know	
	2386	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
		Now I'm going to ask you about your past and current use of female hormone pills, including birth control pills and estrogen pills.	
3413 MARF30		Have you ever taken birth control pills for any reason?	
	403	1 Yes	
	307	2 No (MARF34A - Phase 2 only)	
	92	8 Blank but applicable	
	1794	Blank	
3414-3415 MARF31		How old were you when you began taking birth control pills? (yrs)	
	396	10-45	
	5	88 Blank but applicable	
	2	99 Don't know	
	2193	Blank	
3416-3418 MARF32S		How many months ago did you stop taking birth control pills or are you still taking them?	See note
	45	000 Still taking	
	350	001-516	
	2	777 < smallest # that could be reported	
	5	888 Blank but applicable	
	1	999 Don't know	
	2193	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3419-3421 MARF33S		Not counting any time when you stopped taking them, for how many months (have you/did you take) birth control pills?)	See note
	370	001-288	
	24	777 Less than one month	
	5	888 Blank but applicable	
	4	999 Don't know	
	2193	Blank	

IF MORE THAN ONE YEAR AGO IN
 MARF32 GO TO MARF34A. OTHERWISE SHOW
 ORAL CONTRACEPTIVES CHART AND ASK:

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
		IF MORE THAN ONE YEAR AGO IN MARF32 GO TO (MARF34A). OTHERWISE SHOW ORAL CONTRACEPTIVES CHART AND ASK:	
3422-3424 MARF34R		Please look at this chart and show me the brand of pills you (use/used).	See note
	72	104-219	
	4	888 Blank but applicable	
	3	999 Don't know	
	2517	Blank	
3425 MARF34CK		MARF30-MARF32 CHECK ITEM USED IN SKIP PATTERNS	
	20	1 If MARF32S=0 (MARF35)	
	149	2 If MARF30=2 and SPs age =50 or older (MARF35)	
	226	3 Other	
	2201	Blank	
3426 MARF34A		Have you ever had an implant under your skin called NORPLANT to prevent pregnancy (Phase 2)	See note
	3	1 Yes	
	176	2 No (MARF35)	
	47	8 Blank but applicable	
	2370	Blank	
3427 MARF34B		Do you now have NORPLANT implanted under your skin? (Phase 2)	See note
	3	1 Yes	
	2593	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3428-3429 MARF34CS		How many months ago was NORPLANT implanted? (Phase 2)	See note
	1	07	
	1	11	
	1	12	
	2593	Blank	
3430 MARF35		CHECK ITEM. REFER TO MARF12, MARF20, MARF22, AND MARF25. MARK FIRST APPLICABLE BOX.	
	17	1 Currently pregnant (MARF49)	
	10	2 Currently breastfeeding (MARF49)	
	344	3 Period in past 2 months (MARF49)	
	160	4 Had hysterectomy (MARF37)	
	271	5 Other not included above (MARF36)	
	1794	Blank	
3431 MARF36		Have your periods presently stopped due to radiation or chemotherapy?	
	174	2 No	
	97	8 Blank but applicable	
	2325	Blank	
3432 MARF37		Have you ever taken estrogen or female hormone pills by mouth other than oral contraceptive pills?	
	117	1 Yes	
	219	2 No (MARF41)	
	92	8 Blank but applicable	
	3	9 Don't know (MARF41)	
	2165	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes

3433-3435 MARF38		How old were you when you first took the estrogen or female hormone pills? (yrs)	
	115	020-074	
	1	888 Blank but applicable	
	1	999 Don't know	
	2479	Blank	
3436-3438 MARF39S		How many months ago did you stop taking the estrogen or female hormone pills or are you still taking them?	See note
	60	000 Still taking	
	56	003-564	
	1	888 Blank but applicable	
	2479	Blank	
3439-3440 MARF40		Not counting any time when you stopped taking them, for how many years altogether have you taken estrogen or female hormone pills?	See note
	88	01-27	
	28	77 Less than one year	
	1	88 Blank but applicable	
	2479	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3441 MARF41		Have you ever taken or used estrogen or female hormones in the form of vaginal cream, suppository, or injection?	
	38	1 Yes	
	296	2 No (MARF45)	
	94	8 Blank but applicable	
	3	9 Don't know (MARF45)	
	2165	Blank	
3442-3444 MARF42		How old were you when you first used female hormones in the form of vaginal cream, suppository, or injection? (yrs)	
	36	023-070	
	2	999 Don't know	
	2558	Blank	
3445-3447 MARF43S		How many months ago did you stop using the vaginal cream, suppository, or injection or are you still using them?	See note
	8	000 Still using	
	29	002-408	
	1	999 Don't know	
	2558	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes

3448-3449 MARF44		Not counting any time when you stopped using the vaginal cream suppository, or injection, for how many years altogether have you used them?	See note
	20	01-22	
	17	77 Less than one year	
	1	99 Don't know	
	2558	Blank	
3450 MARF45		Have you ever used female hormones in the form of patches that are placed on the skin?	
	12	1 Yes	
	324	2 No (MARF49)	
	95	8 Blank but applicable	
	2165	Blank	
3451-3452 MARF46		How old were you when you first used the hormone patches? (yrs)	
	12	34-64	
	2584	Blank	
3453-3455 MARF47S		How many months ago did you stop using the hormone patches or are you still using them?	See note
	3	000 Still using now	
	9	002-312	
	2584	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
	3456	Not counting any time when you stopped using the female hormone patches, for how many years altogether have you used them?	See note
MARF48		5 1-2	
		7 7 Less than one year	
	2584	Blank	
	3457	CHECK ITEM. REFER TO AGE OF SP.	
MARF49	208	1 Female, 60 years or older (MARH1)	
	594	2 Female, less than 60 years old (MARF50)	
	1794	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes

		In order to get a more complete picture of the health of the population, we are asking about sexual experience. Please remember that your answers are strictly confidential.	
3458-3459 MARF50		At what age did you first have sexual intercourse? (yrs)	See note
	34	00 Has not had intercourse (MARH1)	
	891	06-35	
	116	88 Blank but applicable	
	1555	Blank	
3460-3463 MARF51		With how many different partners have you ever had sexual intercourse?	See note
	884	0001-0990	
	116	8888 Blank but applicable	
	7	9999 Don't know	
	1589	Blank	
3464 MARF52		CHECK ITEM. REFER TO SEX OF SP AND TO MARF51. MARK FIRST APPLICABLE BOX.	
	576	1 Female, less than 60 years old (MARF56)	
	388	2 Two or more partners, male, less than 60 years old (MARF54R)	
	43	3 1 partner in MARF51, male less than 60 years old (MARF53)	
	1589	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION F. REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3465 MARF53	42	Was this partner female or male? 1 Female (MARF56)	See note
	1	2 Male (MARF56)	
	2553	Blank	
3466-3469 MARF54R	1	How many partners have been female? 0000 None (MARF56)	See note
	333	0001-0990	
	47	8888 Blank but applicable	
	7	9999 Don't know	
	2208	Blank	
3470-3471 MARF55	327	How many partners have been male? 00 None	
	7	01-10	
	47	88 Blank but applicable	
	7	99 Don't know	
	2208	Blank	
3472-3473 MARF56	100	With how many (different) partners have you had sexual intercourse in the past year? 00 None	
	791	01-25	
	116	88 Blank but applicable	
	1589	Blank	
3474 MARF57	14	Has a doctor ever told you that you had genital herpes? 1 Yes	See note
	878	2 No	
	115	8 Blank but applicable	
	1589	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION H. RESPONDENT

Positions SAS name	Counts	Item description and code	Notes
3475 MARH1		CHECK ITEM. MARK ONE BOX.	
		MARK MAIN RESPONDENT. SPECIFY RELATIONSHIP OF RESPONDENT TO SP IF OTHER THAN SP.	
	1205	1 Sample person (MARLANG)	
	2	5 Other specified (MARH10S)	
	287	8 Blank but applicable	
	1102	Blank	
3476 MARH10S		MARK MAIN RESPONDENT. SPECIFY RELATIONSHIP OF SP IF OTHER THAN SP.	
		OTHER SPECIFY.	
	1	7 Child -including in-law, grandchild	
	1	8 Sibling	
	2594	Blank	
3477 MARH2		IF OTHER THAN SP, EXPLAIN REASON FOR ACCEPTING PROXY RESPONDENT.	
	1	1 Physical impairment	
	1	2 Mental impairment	
	2594	Blank	
3478 MARH3		WAS SP PRESENT DURING ANY PART OF THE INTERVIEW?	
	1	1 Yes	
	1	2 No	
	287	8 Blank but applicable	
	2307	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 MEC ADULT QUESTIONNAIRE (EXCEPT DIS)

SECTION H. RESPONDENT

Positions SAS name	Counts	Item description and code	Notes
	3479	Instrument used for interview	
MARLANG	1204	1 Adult English	
	133	2 Adult Spanish	
	1259	Blank	
	3480-3483	Examiner number	
MAREXMNR	106	4001	
	90	4002	
	121	4003	
	221	4004	
	534	4005	
	383	4006	
	39	7002	
	1102	Blank	

NOTES

MARB1: Age eligibility for cognitive function test

This test of effective memory (Albert, 1991), given to MEC examinees 60 years and older, was also included as part of the interview in the Home Examination.

MARE3S: Number of days drank alcohol in past year

This variable was created from the two-part (quantity and unit) question E3 using the conversion factors 52 weeks/year and 12 months/year.

MARE5S: Number of days drank nine or more drinks of alcohol in past year

This variable was created from the two-part (quantity and unit) question E5 using the conversion factors 52 weeks/year and 12 months/year.

MARE6S: Number of days drank five or more drinks of alcohol in past year

This variable was created from the two-part (quantity and unit) question E6 using the conversion factors 52 weeks/year and 12 months/year.

MARF7R: Age at time of first live birth

Question F7 (age at time of first live birth) was only asked of women who had more than one live birth. To prevent redundant questions, women who had one live birth were only asked question F8, "Age at the time of the last live birth." This variable, MARF7R, was created to include responses for women who had only one live birth and women who had multiple births. For women who had only one live birth, their responses to question F8 were coded into MARF7R. For women who had multiple births, their responses to question F7 were coded into MAPF7R.

MARF12R: Pregnancy status recode

This variable combines responses from self-reported pregnancy status (F12) with the results of urine pregnancy test conducted in the mobile examination center on women 20-49 years of age. If either the self-report or the test result was positive, then MARF12R was coded yes. Otherwise, if both the self-report and the test result were negative, then MARF12R was coded no. If the self-report was don't know and the test result was either inconclusive or blank but applicable, then MARF12R was coded don't know. If the self-report was blank but applicable and the test

result was inconclusive, then MARF12R was also coded don't know. Finally, if both responses were blank but applicable, then MARF12R was coded blank but applicable.

Analysts should note that the age group for this variable was 20 - 59 years, not 20 - 49 years. Although question F12 was asked of women in the 20 - 49 age group, the recoded variable (pregnancy test and reported pregnancy) MAPF12R includes all women who were given the pregnancy test (20-59 years). Note, however, that only one woman above 50 years had a positive pregnancy test.

MARF18S: Number of months received WIC benefits

This variable was created from the two-part question (quantity and unit) F18 using the conversion factor 12 months/year.

MARF23: Age at last period

There were no comments or related responses that could be used to clarify the responses for reported ages of last period that appeared to be extreme. Analysts should review responses when using this variable.

MARF32S: Months since stopped taking birth control pills

This variable was created from the two-part question (quantity and unit) F32 using the conversion factor 12/months per year.

MARF33S: Total number of months took birth control pills

This variable was derived from the two-part question (quantity and unit) F33 using the conversion factors 12 months/year. Analysts should note that the reported length of time on birth control pills may have exceeded the length of time that these products were available in the U.S.

MARF34R: Birth control pill codes

This variable was created to include a listing of all birth control pills that were specified in question F34. It includes both birth control pills that had original codes from the chart that respondents were shown as well as those not included on the chart but specified by the respondent. See the Appendix at the end of this section for code listing.

MARF34CS: Number of months since NORPLANT was implanted

This variable was derived from the two-part question (quantity and unit) F34C using the conversion factor 12 months/year. Analysts should be aware that the reported length of time

NORPLANT was used may have exceeded the length of time that this product was available in the U.S.

MARF39S: Number of months since stopped taking estrogen pills

This variable was created from the two-part question (quantity and unit) F39 using the conversion factor 12 months/year.

MARF40: Total years on estrogen pills

Analysts should be aware that the reported length of time for estrogen pill use may have exceeded the length of time that these products were available in the U.S.

MARF43S: Number of months since stopped using estrogen cream, suppository, or injection

This variable was created from the two-part question (quantity and unit) F43 using the conversion factor 12 months/year.

MARF44: Total years used estrogen cream, suppository, or injection

Reported length of time for use of these estrogen products may have exceeded the length of time that they were available in the U.S.

MARF47S: Number of months since stopped using hormone patches

This variable was created from the two-part question (quantity and unit) F47 using the conversion factor 12 months/year.

MARF48: Total years used female hormone patches

Reported length of time for use of hormone patches may have exceeded the length of time that these products were available in the U.S.

MARF50: Age at first sexual intercourse

The question did not ask about first consensual sexual experience. Therefore, responses of first intercourse at very young ages were retained after reviewing comments made during the interview (e.g., reports of rape or incest).

MARF51: Number of sexual partners

The value "990" represents reports of more than 990 sexual partners as well as responses such as "too many to count."

MARF53: Sex of sexual partners

This question was about sexual experience; it was not designed to determine sexual preference.

MARF54R: Number of partners that were female

If the response to this question was that all partners were female, then this variable was recoded as the number of female partners reported in F51.

MARF57: Ever had genital herpes

In Phase 1, this question was asked, "Have you ever had genital herpes?" In Phase 2, the question was changed to, "Has a doctor ever told you that you had genital herpes?"

APPENDIX

MARF34R: Oral contraceptive code list

0101 Brevicon 21
0102 Brevicon 28
0103 Demulen 1/35 21
0104 Demulen 1/35 28
0105 Demulen 1/50 21
0106 Demulen 1/50 28
0108 Levlen 21
0109 Levlen 28
0111 Loestrin 21 1/20
0112 Loestrin Fe 1.5/30
0113 Loestrin Fe 1/20
0114 Lo/ovral 21
0115 Lo/ovral 28
0116 Micronor
0117 Modicon 21
0118 Modicon 28
0119 Nordette 21
0120 Nordette 28
0121 Norinyl 1+35 21
0122 Norinyl 1+35 28
0124 Norinyl 1+50 28
0126 Norinyl 1+80 28
0128 Norlestrin 21 1/50
0129 Norlestrin 21 2.5/50
0130 Norlestrin 28 1/50
0131 Norlestrin fe 1/50
0132 Norlestrin fe 2.5/50
0134 Ort-nv 10/11 21
0135 Ort-nv 10/11 28
0136 Ort-nov 1/35 21
0137 Ort-nov 1/35 28
0138 Ort-nov 1/50 21
0139 Ort-nov 1/50 28
0141 Ort-nov 1/80 28
0142 Ortho-novum 2mg
0143 Ort-nov 7/7/7 21
0144 Ort-nov 7/7/7 28
0145 Ovcon 35 21
0146 Ovcon 35 28
0147 Ovcon 50 21
0148 Ovcon 50 28
0149 Ovral 21
0150 Ovral 28
0151 Ovrette
0152 Ovulen 21
0153 Ovulen 28
0154 Tri-levlen 21
0155 Tri-levlen 28
0156 Tri-norinyl 21
0157 Tri-norinyl 28
0158 Triphasil 21
0159 Triphasil 28

0201 Eugynon
0202 Genora
0203 Loestrin, NFS
0204 Microgynon
0205 Microgynon 21
0206 Neogynon 21
0207 Nordet
0208 Nordette
0209 Nordiol
0210 Norinyl, NFS
0211 Ortho novum 777, NFS
0212 Triquilar
0213 Desogen
0214 Microgam
0215 Ortho cyclen
0216 Ortho tri-cyclen
0217 Ortho-cept
0218 Ortho novum 1/35, NFS
0220 Secuentex 21
0221 Ortho novum, NFS
0222 Lo/orval, NFS

NFS = Not further specified

BONE DENSITOMETRY

Bone density of the proximal femur was measured on men and non-pregnant women aged 20 years and over by a trained examiner in the mobile examination center (MEC). Using dual energy x-ray absorptiometry (DXA), areal bone density (bone mass per unit of area scanned) was measured in five areas of the proximal femur. These were the femoral neck, trochanter, intertrochanter, Ward's Triangle, and total region.

Before the exam, screening questions were asked to determine medical safety exclusions. Those excluded from testing were examinees: who were females below age 60 for whom pregnancy test results were positive or uncertain or for whom there was a possibility of pregnancy; for whom both hips had been fractured or broken previously; or who had hip pins or artificial hips. The flag variable, BDPEXFLR, which indicates whether the examinee was excluded does not exist for the Second Exam subsample.

Because these tests were administered in the mobile examination center, the MEC examination sample weight (WTPFEX6) should be used for data analysis. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

A rigorous quality control program was used throughout the survey to ensure data quality. Quality control (QC) of each individual DXA instrument was monitored by scanning anthropomorphic phantoms on a frequent basis (daily for spine phantom, weekly for hip phantom). Comparability of the three DXA instruments was assessed by circulating an additional spine phantom between mobile examination centers; this "circulating spine phantom" was scanned once per stand. Every anthropomorphic phantom scan was reviewed individually at the Mayo Clinic, and results were plotted to compare with previous QC scan results. All respondent scans also were reviewed individually at the Mayo Clinic before being added to the database. For a detailed description of the QC program and the results for Phase 1 of NHANES III, see the reference by Wahner (1994). QC results for Phase 2 were similar to those for Phase 1. Additional details about the bone density procedure may be found in the references by Looker (1995) and Hologic (1987).

Data processing and editing were performed to ensure internal data consistency. Notes have been provided for variables requiring additional explanation.

NHANES III Examination Data File

SECOND EXAM DATA

BONE DENSITOMETRY

INTRODUCTORY INFORMATION

Positions		Item description	
SAS name	Counts	and code	Notes
3484-3488		Examiner number	
BDRTECH	1136	01001-09018	
	206	88888 Blank but applicable	
	1254	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

BONE DENSITOMETRY

SCAN RESULTS

Positions SAS name	Counts	Item description and code	Notes
3489 BDRSCAN		Scan was technically acceptable after review at the Mayo Clinic	See note
	1108	1 Acceptable scan	
	24	2 Rejected scan	
	198	8 Blank but applicable	
	1266	Blank	
3490 BDRSIDE		Hip side that was scanned	See note
	1103	1 Left hip	
	5	2 Right hip	
	222	8 Blank but applicable	
	1266	Blank	
3491-3494 BDRFNARE		Bone area of femur neck region (cm squared)	
	1108	2.45-7.42	
	222	8888 Blank but applicable	
	1266	Blank	
3495-3499 BDRFNBMCM		Bone mineral content of femur neck region (gm)	
	1108	01.67-09.15	
	222	88888 Blank but applicable	
	1266	Blank	
3500-3504 BDRFNBMCM		Bone mineral density of femur neck region (gm/cm squared)	
	1108	0.432-1.602	
	222	88888 Blank but applicable	
	1266	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

BONE DENSITOMETRY

SCAN RESULTS

Positions SAS name	Counts	Item description and code	Notes
3505-3509 BDRTRARE		Bone area of trochanter region (cm squared)	
	1108	06.33-19.18	
	222	88888 Blank but applicable	
	1266	Blank	
3510-3514 BDRTRBMC		Bone mineral content of trochanter region (gm)	
	1108	03.08-18.34	
	222	88888 Blank but applicable	
	1266	Blank	
3515-3519 BDRTRBMD		Bone mineral density of trochanter region (gm/cm squared)	
	1108	0.317-001.3	
	222	88888 Blank but applicable	
	1266	Blank	
3520-3524 BDRINARE		Bone area of intertrochanter region (cm squared)	
	1108	11.71-37.24	
	222	88888 Blank but applicable	
	1266	Blank	
3525-3529 BDRINBMC		Bone mineral content of intertrochanter region (gm)	
	1108	07.41-49.03	
	222	88888 Blank but applicable	
	1266	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

BONE DENSITOMETRY

SCAN RESULTS

Positions SAS name	Counts	Item description and code	Notes
3530-3534 BDRINBMD		Bone mineral density of intertrochanter region (gm/cm squared)	
	1108	0.579-1.964	
	222	88888 Blank but applicable	
	1266	Blank	
3535-3539 BDRWTARE		Bone area of Ward's triangle region (cm squared)	See note
	1108	00.36-1.244	
	222	88888 Blank but applicable	
	1266	Blank	
3540-3544 BDRWTBMC		Bone mineral content of Ward's triangle region (gm)	See note
	1108	00.22-1.766	
	222	88888 Blank but applicable	
	1266	Blank	
3545-3549 BDRWTBMD		Bone mineral density of Ward's triangle region (gm/cm squared)	See note
	1108	0.202-1.464	
	222	88888 Blank but applicable	
	1266	Blank	
3550-3554 BDRTOARE		Bone area of total region (cm squared)	
	1108	22.71-60.54	
	222	88888 Blank but applicable	
	1266	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

BONE DENSITOMETRY

SCAN RESULTS

Positions SAS name	Counts	Item description and code	Notes
3555-3559 BDRTOBMC		Bone mineral content of total region (gm)	
	1108	12.65-70.83	
	222	88888 Blank but applicable	
	1266	Blank	
3560-3564 BDRTOBMD		Bone mineral density of total region (gm/cm squared)	
	1108	0.481-1.698	
	222	88888 Blank but applicable	
	1266	Blank	
3565-3569 BDRK		K value for scan	
	1108	1.196-1.273	
	222	88888 Blank but applicable	
	1266	Blank	
3570-3574 BDRD0		d0 value for scan	
	1108	093.6-132.5	
	222	88888 Blank but applicable	
	1266	Blank	

NOTES

BDRSCAN: Scan technically acceptable after review at the Mayo Clinic

See 1994 reference by Wahner for rejection criteria.

BDRSIDE: Hip side that was scanned

The left hip was chosen as the default side for the bone density scan because it was easier to scan this side given the position of the DXA scanner in the bone density room. If the left hip had been pinned or fractured previously or was artificial, the right hip was scanned.

BDRWTARE, BDRWTBMC, BDRWTBMD: Bone mineral area, content, and density of Ward's Triangle region

Phases 1 and 2 data for Ward's Triangle are not directly comparable due to a change in the DXA software used to process the data. In Phase 1, the location of Ward's Triangle was variable. The computer algorithm actually searched a specific portion of the femur neck and intertrochanter (2.7 cm x 3.5 cm) for the lowest point of bone mass and then centered a fixed area box (10.5 mm x 10.5 mm) around this point. In Phase 2, however, the location was fixed. The Ward's Triangle position was fixed at a mid-cervical location rather than being the point of lowest bone mineral density. Thus, users should be careful in interpreting observed differences in Ward's Triangle data between Phases 1 and 2. In addition, combining Ward's Triangle data from Phases 1 and 2 may not be appropriate.

BDRWTBMC: Bone mineral content of Ward's Triangle

See note for BDRWTARE.

BDRWTBMD: Bone mineral density of Ward's Triangle

See note for BDRWTARE.

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HOME EXAMINATION, INTERVIEW

The Home Examination interview was administered at the homes of examinees aged 2-11 months and those aged 20 years and older who were unable to travel to the mobile examination center (MEC). The interview included sections similar to those found in other MEC questionnaires: infant food frequency, cognitive function, selected conditions/medicine, vitamin and mineral usage, tobacco use, and reproductive health. Data from examinations conducted in the home (body measurements, physical function, spirometry, and venipuncture) have been included with the corresponding examination and laboratory data; therefore, they have not been included here. Items from the MEC Adult Questionnaire and the Home Examination interview can be combined for analysis; however, there may be slight differences in the questions the way in which they are administered. For example, the reproductive health section in the interview during the Home Examination was shorter, and the skip patterns were not the same. For analysis of the Home Examination interview data alone or for combined MEC and Home Examination questionnaire data, the MEC+home Examination weights (WTPFH6) should be used. Separate sample weights were not created for the Home Examination. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

The interview during the Home Examination was brief in comparison to those conducted in the MEC. Like the MEC questionnaires, certain sections were asked only of specific age and gender groups. For instance, reproductive health questions were asked only of females aged 20 years and older. Cognitive function questions were asked of examinees age 60 years and older. Tobacco use was asked of examinees aged 20-60 years. The infant food frequency was asked of a parent or other adult in the household member for each child aged 2-11 months.

Data processing and editing were performed for the consistency of responses within the sections of the questionnaire. Notes have been provided for variables that were standardized or recoded or those that require additional comments.

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

INFANT FOOD FREQUENCY

Positions SAS name	Counts	Item description and code	Notes
	3575	CHECK ITEM. REFER TO AGE OF SP.	
HXRB1	737	1 20+ years (HXRD1)	
	1859	Blank	
		Now I would like to ask whether or not -- has eaten certain foods or drunk certain beverages during the past month.	
		In the past month, did -- eat or drink any of these foods or beverages? Include baby foods as well as strained and regular table foods.	
	3576	Cereal	
HXRB2A	2596	Blank	
	3577	Fruit	
HXRB2B	2596	Blank	
	3578	Yellow and orange vegetables	
HXRB2C	2596	Blank	
	3579	Green vegetables	
HXRB2D	2596	Blank	
	3580	Meat	
HXRB2E	2596	Blank	
	3581	Egg yolk or eggs	
HXRB2F	2596	Blank	
	3582	Combination meat/vegetable dinners	
HXRB2G	2596	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

INFANT FOOD FREQUENCY

Positions SAS name	Counts	Item description and code	Notes
3583 HXRB2H	2596	Yogurt, cottage cheese, and other cheeses Blank	
3584 HXRB2I	2596	Bread, rolls, crackers, and biscuits Blank	
3585 HXRB2J	2596	Desserts Blank	
3586 HXRB2K	2596	Breastmilk Blank	
3587 HXRB2L	2596	Formula Blank	
3588 HXRB2M	2596	Cow's milk/regular milk Blank	
3589 HXRB2N	2596	Fruit juices such as apple juice and orange juice Blank	
3590 HXRB2O	2596	Drinks such as Kool-Aid, fruit punch, and Hi-C Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

COGNITIVE FUNCTION - PART A

Positions SAS name	Counts	Item description and code	Notes
	3591	CHECK ITEM. REFER TO AGE OF SP.	
HXRD1	417	1 Less than 60 years (HXRE1)	
	320	2 60+ years	
	1859	Blank	
		I'm going to read you a short story and when I'm through I'm going to wait a few seconds and then ask you to tell me as much as you can remember.	
		The story is: SLOWLY Three children were alone at home and the house caught on fire. A brave fireman managed to climb in a back window and carry them to safety. Aside from minor cuts and bruises, all were well.	
		IDEAS PRESENT IN ANSWER	
	3592	THREE CHILDREN	
HXRD2A	287	1 Yes, recalled details	
	14	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	
	3593	HOUSE ON FIRE	
HXRD2B	267	1 Yes, recalled details	
	34	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

COGNITIVE FUNCTION - PART A

Positions SAS name	Counts	Item description and code	Notes
	3594	FIREMAN CLIMBED IN	
HXRD2C	218	1 Yes, recalled details	
	83	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	
	3595	CHILDREN RESCUED	
HXRD2D	268	1 Yes, recalled details	
	33	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	
	3596	MINOR INJURIES	
HXRD2E	173	1 Yes, recalled details	
	128	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	
	3597	EVERYONE WELL	
HXRD2F	155	1 Yes, recalled details	
	146	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

SELECTED CONDITIONS/MEDICINE, VITAMIN, AND MINERAL USAGE

Positions		Item description	
SAS name	Counts	and code	Notes

Now I would like to ask you a few
questions about selected health problems
and your recent use of medicines,
vitamins, and minerals.

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

SELECTED CONDITIONS/MEDICINE, VITAMIN, AND MINERAL USAGE

Positions		Item description		
SAS name	Counts	and code		Notes

3598		Are you now or in the past 3 months have you been on treatment for anemia? (Include diet, iron pills, iron shots, transfusions as treatment.)		
HXRE1				
	18	1	Yes	
	706	2	No	
	13	8	Blank but applicable	
	1859		Blank	

3599-3600		How many infections such as colds, flu, diarrhea vomiting, pneumonia, and ear infections have you had in the past 4 weeks?		
HXRE2				
	546	00	None	
	151	01		
	17	02		
	5	03		
	1	04		
	2	05		
	1	06		
	14	88	Blank but applicable	
	1859		Blank	

3601-3602		How many times have you donated blood in the past 12 months?		
HXRE3				
	695	00	None (HXRE5)	
	19	01		
	8	02		
	1	03		
	1	06		
	13	88	Blank but applicable	
	1859		Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

SELECTED CONDITIONS/MEDICINE, VITAMIN, AND MINERAL USAGE

Positions SAS name	Counts	Item description and code	Notes
3603-3604 HXRE4		How long ago was your last blood donation?	
	27	01-12	
	2	77 Less than 1 month ago	
	13	88 Blank but applicable	
	2554	Blank	
3605 HXRE5		Are you currently trying to lose weight?	
	263	1 Yes	
	461	2 No	
	13	8 Blank but applicable	
	1859	Blank	
3606 HXRE6		Have you taken or used any antihistamine medicines in the past 2 days? (Antihistamines are medicines taken for symptoms like sneezing and a runny or itchy nose.)	
	64	1 Yes	
	660	2 No	
	13	8 Blank but applicable	
	1859	Blank	
3607 HXRE7		Prescription medicines are medicines that cannot be obtained without a doctor's or dentist's prescription. Have you taken any prescription medicines during the past 24 hours?	
	312	1 Yes	
	411	2 No	
	14	8 Blank but applicable	
	1859	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

SELECTED CONDITIONS/MEDICINE, VITAMIN, AND MINERAL USAGE

Positions		Item description	
SAS name	Counts	and code	Notes

	3608	Have you taken any vitamins or minerals	
HXRE8		during the past 24 hours?	
	193	1 Yes	
	531	2 No	
	13	8 Blank but applicable	
	1859	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

COGNITIVE FUNCTION TEST - PART B

Positions SAS name	Counts	Item description and code	Notes
	3609	CHECK ITEM. REFER TO AGE OF SP.	
HXRF1	417	1 Less than 60 years (HXRG1)	
	320	2 60+ years	
	1859	Blank	
		Please recall that story I read you a few moments ago and tell me as much as you can remember of the story now.	
		IDEAS PRESENT IN ANSWER	
	3610	THREE CHILDREN	
HXRF2A	271	1 Yes, recalled details	
	30	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	
	3611	HOUSE ON FIRE	
HXRF2B	258	1 Yes, recalled details	
	43	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	
	3612	FIREMAN CLIMBED IN	
HXRF2C	205	1 Yes, recalled details	
	96	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

COGNITIVE FUNCTION TEST - PART B

Positions SAS name	Counts	Item description and code	Notes
	3613	CHILDREN RESCUED	
HXRF2D	273	1 Yes, recalled details	
	28	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	
	3614	MINOR INJURIES	
HXRF2E	175	1 Yes, recalled details	
	126	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	
	3615	EVERYONE WELL	
HXRF2F	148	1 Yes, recalled details	
	153	2 No, did not recall	
	19	8 Blank but applicable	
	2276	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

TOBACCO

Positions SAS name	Counts	Item description and code	Notes
		Now I would like to ask you a few questions about tobacco use.	
3616-3618 HXRG1		How many cigarettes have you smoked in the past 5 days?	
	538	000 None	
	190	001-300	
	9	888 Blank but applicable	
	1859	Blank	
3619-3620 HXRG2A		How many pipes have you smoked in the past 5 days?	
	721	00 None	
	1	25	
	15	88 Blank but applicable	
	1859	Blank	
3621-3622 HXRG2B		How many cigars have you smoked in the past 5 days?	
	246	00 None	
	3	01	
	2	03	
	1	06	
	1	08	
	484	88 Blank but applicable	
	1859	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

TOBACCO

Positions SAS name	Counts	Item description and code	Notes
3623-3624 HXRG3		How many containers of chewing tobacco or snuff have you used in the past 5 days?	
	707	00 None	
	5	01	
	4	02	
	2	03	
	1	04	
	2	05	
	1	10	
	5	77 Less than 1 container/pkg	
	10	88 Blank but applicable	
	1859	Blank	
3625 HXRG4		How many pieces of nicotine gum have you chewed in the past 5 days? (Nicotine gum is a sugar-free flavored chewing gum prescribed by a doctor to help people stop smoking or chewing tobacco.)	
	728	0 None	
	9	8 Blank but applicable	
	1859	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
	3626	CHECK ITEM. REFER TO SEX OF SP.	
HXRH1	325	1 Male (HXRLANG)	
	412	2 Female	
	1859	Blank	
		The next questions ask about your periods or menstrual cycle and about pregnancy.	
	3627-3628	How old were you when your periods or menstrual cycles started?	
HXRH2	388	09-17 (HXRH4)	
	5	88 Blank but applicable	
	19	99 Don't know (HXRH3)	
	2184	Blank	
	3629	Were you younger than 10, 10 to 12, 13 to 15, or 16 or older?	
HXRH3	6	2 10 to 12	
	12	3 13 to 15	
	1	4 16 or older	
	2577	Blank	
	3630	Have you had a period in the past 12 months?	
HXRH4	183	1 Yes	
	225	2 No (HXRH7)	
	4	8 Blank but applicable	
	2184	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3631-3632 HXRH5		About how long ago was your last period?	
	26	01 Having it now (HXRH11)	
	131	02 Less than 2 months ago (HXRH11)	
	8	03 2-3 months (HXRH6)	
	4	04 4-6 months (HXRH6)	
	6	05 7-9 months (HXRH6)	
	6	06 10-12 months (HXRH6)	
	6	88 Blank but applicable	
	2409	Blank	
		ASK SP TO LOOK AT CHART AND ASK:	
3633-3634 HXRH6		What is the reason you have not had a period in the past (ANSWER IN HXRH5)?	
	12	01 Pregnant now (HXRH11)	
	2	02 Breastfeeding (HXRH11)	
	4	03 Menopausal (HXRH9)	
	7	05 Other (HXRH9)	
	5	88 Blank but applicable	
	2566	Blank	
3635-3637 HXRH7		About how old were you when you had your last period?	
	192	020-060 (HXRH9)	
	3	888 Blank but applicable	
	30	999 Don't know (HXRH8)	
	2371	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3638 HXRH8		Were you younger than 20, 20 to 29, 30 to 39, 40 to 44, 45 to 49, 50 to 54, or 55 or older?	
	2	2 20 to 29	
	5	3 30 to 39	
	2	4 40 to 44	
	11	5 45 to 49	
	10	6 50 to 54	
	2566	Blank	
3639 HXRH9		Have you had a hysterectomy? DEFINE IF NECESSARY: Has your uterus been removed?	
	106	1 Yes	
	129	2 No (HXRH11)	
	6	8 Blank but applicable	
	2355	Blank	
3640-3642 HXRH10		How old were you when you had your (hysterectomy/uterus removed)? (years)	
	103	020-076	
	8	888 Blank but applicable	
	1	999 Don't know	
	2484	Blank	
3643 HXRH11		Have you had one or both of your ovaries removed (either when you had your uterus removed or at another time)?	
	60	1 Yes	
	335	2 No (HXRH14)	
	15	8 Blank but applicable	
	2	9 Don't know (HXRH14)	
	2184	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3644		Were both ovaries removed or only one?	
HXRH12	19	1 One	
	40	2 Both	
	16	8 Blank but applicable	
	2521	Blank	
3645-3647		How old were you when you had your (ovary/ovaries) removed?	
HXRH13		IF EACH OVARY REMOVED AT DIFFERENT AGE, RECORD AGE SECOND OVARY REMOVED.	
	60	019-076	
	15	888 Blank but applicable	
	2521	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
		Now I'm going to ask you about your past and current use of female hormones, including birth control pills and estrogen.	
3648 HXRH14		Have you ever taken birth control pills for any reason?	
	194	1 Yes	
	214	2 No (HXRH18)	
	4	8 Blank but applicable	
	2184	Blank	
3649-3650 HXRH15		How old were you when you began taking birth control pills?	
	187	14-52	
	10	88 Blank but applicable	
	1	99 Don't know	
	2398	Blank	
3651-3655 HXRH16S		How long ago since you stopped taking birth control pills (days).	
	32	00000 Still taking	
	156	00021-14600	
	9	88888 Blank but applicable	
	1	99999 Don't know	
	2398	Blank	
3656-3658 HXRH17S		How long altogether have you taken/did you take birth control pills (mos).	
	185	001-240	
	6	777 Less than 1 month	
	7	888 Blank but applicable	
	2398	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3659 HXRH18		CHECK ITEM. REFER TO HXRH5 AND HXRH6. MARK FIRST APPLICABLE BOX.	
	157	1 HXRH5 = 1 or 2 (HXRLANG)	
	14	2 HXRH6 = 1 or 2 (HXRLANG)	
	241	3 Other (HXRH19)	
	2184	Blank	
3660 HXRH19		Have you ever taken or used estrogen or female hormones in any form? Include pills, vaginal cream, suppositories, injections, or skin patches.	
	91	1 Yes	
	141	2 No (HXRLANG)	
	9	8 Blank but applicable	
	2355	Blank	
3661-3663 HXRH20		How old were you when you first took or used the estrogen or female hormones?	
	83	019-076	
	17	888 Blank but applicable	
	2496	Blank	
3664-3667 HXRH21S		How many months ago did you stop taking or using the estrogen or female hormones?	
	29	0000 Still taking	
	55	0001-0528	
	15	8888 Blank but applicable	
	1	9999 Don't know	
	2496	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

REPRODUCTIVE HEALTH

Positions SAS name	Counts	Item description and code	Notes
3668-3669 HXRH22		Not counting any time when you stopped, for how many years altogether did you take or use female hormones?	
	63	01-40	
	23	77 Less than 1 year	
	14	88 Blank but applicable	
	2496	Blank	
		We have some final questions to ask you about your participation in this survey.	
3670-3671 HXRLANG		Instrument used for interview	
	649	07 Home Exam, English	
	77	08 Home Exam, Spanish	
	11	88 Blank but applicable	
	1859	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

REPRODUCTIVE HEALTH

Positions		Item description	
SAS name	Counts	and code	Notes
3672-3675		Examiner number	
HXREXMNR	17	1601	
	76	1602	
	54	1603	
	71	1604	
	297	1605	
	123	1606	
	96	1607	
	3	8888	Blank but applicable
	1859	Blank	

NOTES

HXR1: Age eligibility for cognitive function test

This test of effective memory, given to examinees 60 years and older, was also included as part of the MEC Adult Questionnaire.

HXR7: Age at last period

There were no comments or related responses that could be used to clarify the response for reported ages of last periods that appeared to be extreme. Analysts should review responses when using this variable.

HXR16S: Number of days since stopped taking birth control pills

This variable was created from the two-part question (quantity and unit) H16 using the conversion factors 7 days/week, 30.4 days/month, and 365 days/year.

HXR17S: Total number of months took birth control pills

This variable was derived from the two-part question (quantity and unit) H17 using the conversion factor 12 months/year. Analysts should be aware that the reported length of time for the use of birth control pills may have exceeded the length of time that these products were available in the U.S.

HXR21S: Number of months since stopped estrogen pills

This variable was created from the two-part question (quantity and unit) H21 using the conversion factor 12 months/year.

HXR22: Total years on estrogen pills

Reported length of time for use of estrogen pills may have exceeded the length of time that these products were available in the U.S.

GALLBLADDER ULTRASONOGRAPHY

Gallbladder examinations were conducted on all examinees aged 20 to 74 years by a certified ultrasound technician in the mobile examination center (MEC). The protocol for this component did not detail any medical, safety or other exclusions.

When analyzing these data, the MEC examination sample weight should be used (WTPFEX6). For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

Gallbladder examinations were conducted to estimate the prevalence of gallstone disease in the United States. Testing was done on examinees in both supine and left decubitus positions. The main element of the exam was real-time ultrasonography, a non-invasive technique for detecting gallstones.

Although sample persons were asked to fast for at least six hours before the examination, non-fasting persons were not excluded from the examination. The rate of acceptable exams did not differ by fasting status.

Details of the data collection procedures and data collection forms for the Gallbladder Ultrasonography component are included in the Gallbladder Ultrasonography Procedures Manual (U.S. DHHS, 1996b) and the Plan and Operation of the Third National Health and Nutrition Examination Survey, 1988-94 (U.S. DHHS, 1996b).

All certified ultrasound technicians received training in the physics of ultrasound, calibration of equipment, and technique of administering the abdominal ultrasound examination. This training was conducted at the time of hire and at least annually thereafter by a radiologist and a physicist who were experts in ultrasonography. All examinations were recorded on videotapes and mailed to consulting radiologists who specialized in abdominal ultrasonography. No written comments or technician findings were disclosed to the radiologists to ensure an independent review of cases except for the "rapid review" cases (in which immediate evaluations were needed due to abnormal findings potentially requiring medical attention).

A diagnosis of gallstones was made using the common criteria of echoes within the gallbladder with shadowing on two views. Diagnoses first were obtained by the ultrasound technician in the MEC and later were confirmed by a radiologist. If a right upper quadrant or epigastric scar was observed and the gallbladder was not seen, it was concluded that a cholecystectomy had been performed previously. Data for other abnormal pathologies observed in the surrounding areas, such as the liver or the right kidney, also were collected and recorded. Persons in wheelchairs received the ultrasound examination while sitting.

The radiologists' diagnoses in GURR1DX1 and GURR1DX2 were compared with the technicians' diagnoses in GURTDX1R and GURTDX2R. If they agreed with each other, then these were used as the final diagnoses (GURFDX1R

and GURFDX2R). If the radiologist and the technician disagreed and the radiologist was not confident of the finding because of the poor quality of the video, then the technician's diagnosis was used as the final diagnosis. Also if the radiologist's diagnosis was missing, then the technician's diagnosis was used as the final diagnosis. However, if the radiologist and the technician disagreed and the radiologist had reasonable confidence in his/her findings, then the video taped scan was given to a senior radiologist for adjudication, and that senior radiologist's diagnosis was used as the final diagnosis. The level of agreement between the technician's diagnosis and the radiologist's diagnosis was measured by the Kappa statistic and was found to be excellent (Fleiss, 1981).

Analysts should use both final primary and secondary diagnosis variables in analyses. If gallstones were present (codes 3-5), it was indicated in the final, primary diagnosis (GURFDX1R).

Data processing and editing were performed to ensure internal data consistency. Notes have been provided for variables requiring additional explanation.

Supplemental information was collected during the household interview. Section J of the Household Adult Questionnaire included questions on self-reported history of abdominal pain, previous diagnosis of gallstones, gallbladder surgery, and medical treatment to dissolve or remove gallstones. A question on newer methods to dissolve gallstones or remove the gallbladder was added in Phase 2 of the survey. This information can be found in the Household Adult Data File.

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions SAS name	Counts	Item description and code	Notes
3676		Are there any abdominal surgical scars?	
GURQ7	131	1 Yes	
	1039	2 No (GURQ9)	
	159	8 Blank but applicable	
	1267	Blank	
3677		Surgical scar - area 1	See note
GURQ8A1	93	1 Yes	
	38	2 No	
	159	8 Blank but applicable	
	2306	Blank	
3678		Surgical scar - area 2	See note
GURQ8A2	98	1 Yes	
	33	2 No	
	159	8 Blank but applicable	
	2306	Blank	
3679		Surgical scar - area 3	See note
GURQ8A3	5	1 Yes	
	126	2 No	
	159	8 Blank but applicable	
	2306	Blank	
3680		Surgical scar - area 4	See note
GURQ8A4	31	1 Yes	
	100	2 No	
	159	8 Blank but applicable	
	2306	Blank	
3681		Surgical scar - area 5	See note
GURQ8A5	14	1 Yes	
	117	2 No	
	159	8 Blank but applicable	
	2306	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions SAS name	Counts	Item description and code	Notes
3682 GURQ8A6	2	Surgical scar - area 6 1 Yes	See note
	129	2 No	
	159	8 Blank but applicable	
	2306	Blank	
3683-3684 GURQ18	1064	Thickness of gallbladder wall (mm) 01-06	See note
	1	77 Less than 1 mm	
	159	88 Blank but applicable	
	1372	Blank	
3685-3686 GURQ24R		Gallbladder irregularities finding -- Measurement of largest clump (mm)	See note
	78	01-46	
	27	88 Blank but applicable	
	2491	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions SAS name	Counts	Item description and code	Notes
3687-3688		Technician first finding - Ultra QC file	
GURTDX1	921	01 Normal gallbladder	
	2	02 Calcified gallbladder	
	32	03 Gallstones, one	
	68	04 Gallstones, multiple	
	7	05 Gallstones, gallbladder filled	
	94	07 Cholecystectomy - right upper quadrant or epigastrium scar, 2 landmarks observed	
	1	08 Cholecystectomy - right upper quadrant scar, less than 2 landmarks observed	
	2	10 No conclusion - no scar, no shadow, 2 landmarks observed, SP nonfast	
	1	11 No conclusion - no scar, less than 2 landmarks observed	
	37	13 Abnormal gallbladder - focal wall thickness, no shadowing, clumps with no calcification	
	1	14 Abnormal gallbladder - diffuse wall thickness with no calcification	
	7	16 Abnormal bile - no shadowing internal echoes, with movement	
	156	88 Blank but applicable	
	1267	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions SAS name	Counts	Item description and code	Notes
3689-3690		Technician primary finding	See note
GURTDX1R	921	01 Normal gallbladder	
	2	02 Gallstones or calcified gallbladder	
	33	03 Gallstones, one	
	71	04 Gallstones, multiple	
	7	05 Gallstones, gallbladder filled	
	94	07 Cholecystectomy - right upper quadrant or epigastrium scar, 2 landmarks observed	
	1	08 Cholecystectomy - right upper quadrant scar, less than 2 landmarks observed	
	2	10 No conclusion - no scar, no shadow, 2 landmarks observed, SP nonfast	
	1	11 No conclusion - no scar, less than 2 landmarks observed	
	37	13 Abnormal gallbladder - focal wall thickness, no shadowing, clumps with no calcification	
	4	16 Abnormal bile - no shadowing internal echoes, with movement	
	156	88 Blank but applicable	
	1267	Blank	
3691		Other non-gallbladder findings - renal -	See note
GURQ37R		recode after radiologist note review	
	28	1 Yes	
	181	8 Blank but applicable	
	2387	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions SAS name	Counts	Item description and code	Notes
3692 GURQ38R		Other non-gallbladder findings - hepatic or liver - recode after radiologist note review	See note
	25	1 Yes	
	184	8 Blank but applicable	
	2387	Blank	
3693 GURLCSTR		Radiologist notes indicate liver cyst	See note
	18	1 Yes	
	7	2 No	
	184	8 Blank but applicable	
	2387	Blank	
3694-3696 GURLCSZE		Other non-gallbladder findings - liver cysts, size (cm) (derived from radiologist's comments)	See note
	14	001-005	
	188	888 Blank but applicable	
	2394	Blank	
3697 GURRCSTR		Radiologist notes indicate renal cyst	See note
	21	1 Yes	
	7	2 No	
	181	8 Blank but applicable	
	2387	Blank	
3698-3701 GURRCSZE		Other non-gallbladder findings - renal cysts, size (cm) (derived from radiologist's comments)	See note
	14	0001-11.6	
	188	8888 Blank but applicable	
	2394	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY			
Positions		Item description	
SAS name	Counts	and code	Notes
3702		Radiologist notes indicate hemangioma	See note
GURLHMGR	3	1 Yes	
	22	2 No	
	184	8 Blank but applicable	
	2387	Blank	
3703-3705		Other non-gallbladder findings -	See note
GURCHSZE		cavernous hemangioma of liver, size (cm)	
		(derived from radiologist's comments)	
	3	001 Yes	
	184	888 Blank but applicable	
	2409	Blank	
3706-3707		Technician secondary finding	See note
GURTDX2R	2	13 Abnormal gallbladder - focal wall thickness, no shadowing, clumps with no calcification	
	1	14 Abnormal gallbladder - diffuse wall thickness with no calcification	
	4	16 Abnormal bile - no shadowing internal echoes, with movement	
	156	88 Blank but applicable	
	2433	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions SAS name	Counts	Item description and code	Notes
3708 GURR1ID		Radiologist identification number - first reading	See note
	128	1	
	360	2	
	26	3	
	620	4	
	195	8 Blank but applicable	
	1267	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions SAS name	Counts	Item description and code	Notes
3709-3710 GURR1DX1		Radiologist first reading - primary finding	See note
	894	01 Normal gallbladder	
	1	02 Calcified gallbladder	
	32	03 Gallstones, one	
	68	04 Gallstones, multiple	
	5	05 Gallstones, gallbladder filled	
	86	07 Cholecystectomy - right upper quadrant or epigastrium scar, 2 landmarks observed	
	2	08 Cholecystectomy - right upper quadrant scar, less than 2 landmarks observed	
	1	09 No conclusion - no scar, no shadow, 2 landmarks observed, SP fast	
	2	10 No conclusion - no scar, no shadow, 2 landmarks observed, SP nonfast	
	1	11 No conclusion - no scar, less than 2 landmarks observed	
	37	13 Abnormal gallbladder - focal wall thickness, no shadowing, clumps with no calcification	
	1	14 Abnormal gallbladder - diffuse wall thickness with no calcification	
	3	16 Abnormal bile - no shadowing internal echoes, with movement	
	196	88 Blank but applicable	
	1267	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions SAS name	Counts	Item description and code	Notes
3711-3712 GURR1DX2		Radiologist first reading - secondary finding	See note
	1	01 Normal gallbladder	
	2	16 Abnormal bile - no shadowing internal echoes, with movement	
	196	88 Blank but applicable	
	2397	Blank	
3713 GURR1CNF		Radiologist first reading - confidence	See note
	1044	1 Certain	
	74	2 Likely	
	15	3 Uncertain	
	196	8 Blank but applicable	
	1267	Blank	
3714 GURR1QLT		Radiologist first reading - quality	See note
	1069	1 Adequate interpretation	
	50	2 Below standard	
	14	3 Uninterpretable	
	196	8 Blank but applicable	
	1267	Blank	
3715 GURR2ID		Radiologist identification number - second reading	See note
	25	4	
	196	8 Blank but applicable	
	2375	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions SAS name	Counts	Item description and code	Notes
3716-3717		Final primary finding	See note
GURFDX1R	928	01 Normal gallbladder	
	1	02 Calcified gallbladder	
	35	03 Gallstones, one	
	70	04 Gallstones, multiple	
	5	05 Gallstones, gallbladder filled	
	94	07 Cholecystectomy - right upper quadrant or epigastrium scar, 2 landmarks observed	
	2	08 Cholecystectomy - right upper quadrant scar, less than 2 landmarks observed	
	2	10 No conclusion - no scar, no shadow, 2 landmarks observed, SP nonfast	
	42	13 Abnormal gallbladder - focal wall thickness, no shadowing, clumps with no calcification	
	2	14 Abnormal gallbladder - diffuse wall thickness with no calcification	
	2	16 Abnormal bile - no shadowing internal echoes, with movement	
	146	88 Blank but applicable	
	1267	Blank	
3718-3719		Final secondary finding	See note
GURFDX2R	1	13 Abnormal gallbladder - focal wall thickness, no shadowing, clumps with no calcification	
	2	16 Abnormal bile - no shadowing internal echoes, with movement	
	146	88 Blank but applicable	
	2447	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

Positions		Item description	
SAS name	Counts	and code	Notes
3720-3724		Technician number	
GURTECH	533	01501	
	587	01502	
	67	01503	
	142	88888 Blank but applicable	
	1267	Blank	
3725-3726		Other gallbladder findings -	See note
GURGBPSZ		gallbladder polyp, size (mm) (derived	
		from radiologist's comments) (years 4,	
		5, and 6	
	19	02-08	
	170	88 Blank but applicable	
	2407	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

GALLBLADDER ULTRASONOGRAPHY

MEC EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
3727-3729 MXRRDAYS	1730	Number of days between exams 001-052	
	124	888 Blank but applicable	
	742	Blank	
3730-3731 MXRTIMO	148	Month of second exam 01	
	116	02	
	169	03	
	160	04	
	185	05	
	117	06	
	118	07	
	201	08	
	131	09	
	152	10	
	146	11	
	88	12	
	124	88 Blank but applicable	
	741	Blank	
3732 MXRTIDW	83	Day of week of second exam 1	
	342	2	
	35	3	
	88	4	
	547	5	
	522	6 Varies or varied	
	114	7 < smallest # that could be reported	
	865	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

HOME EXAMINATION, INTERVIEW

MEC EXAMINATION

Positions SAS name	Counts	Item description and code	Notes
3733-3735 HXRRDAYS		Number of days between exams (Second exam is Home)	See note
	1	000 None/never	
	734	001-050	
	2	888 Blank but applicable	
	1859	Blank	
3736-3737 HXRTIMO		Month of second exam	
	85	01	
	40	02	
	85	03	
	84	04	
	56	05	
	55	06	
	64	07	
	78	08	
	50	09	
	53	10	
	52	11	
	33	12	
	2	88 Blank but applicable	
	1859	Blank	
3738 HXRTIDW		Day of week of second exam	
	88	1	
	169	2	
	18	3	
	21	4	
	167	5	
	132	6 Varies or varied	
	140	7 < smallest # that could be reported	
	1861	Blank	

NOTES

GURFDX1R, GURFDX2R: Final primary and secondary diagnoses

The radiologist's diagnoses were compared with the technician's diagnoses to determine agreement and to select cases for adjudication. The final primary and secondary diagnoses were a result of this adjudication. Most examined persons had only a single diagnosis, and the code for that diagnosis was placed in GURFDX1R. For those persons with two diagnoses, the lowest numbered code was placed in GURFDX1R, and the other code was placed in GURFDX2R. However, analysts should check both variables for specific codes of interest.

GURGBPSZ: Size of the largest polyp

GURGBPSZ indicates the size of the largest polyp if a polyp was found during the technician's examination or after the radiologist's review (code 13 in either GURFDX1R or GURFDX2R).

GURLCSTR, GURLCSZE: Flag for liver cyst and the size of the largest cyst

During the examination, the technician scanned the area surrounding the gallbladder for other abnormal pathologies. Liver abnormality is identified in the variable GURQ38R. GURLCSTR indicates the presence of one or more cysts in the liver. GURLCSZE indicates the size of the largest cyst.

GURLHMGR, GURCHSZE: Flag for cavernous hemangioma of liver and size of the largest lesion

During the examination, the technician scanned the area surrounding the gallbladder for other abnormal pathologies. Liver abnormality is identified in the variable GURQ38R. The presence of one or more hemangiomas of the liver is recorded in the variable GURLHMGR. The size of the largest lesion is recorded in the variable GURCHSZE.

GURQ18: Thickness of gallbladder wall

The gallbladder for a person in a non-fasting state may be contracted and appear to have a thickened wall. In such cases, the gallbladder wall thickness may be greater than 3 mm and, according to the computerized recording of results, would have been recorded as code 14, "Abnormal GB -- Diffuse W.T., With NO Calcification" although the gallbladder appeared to be normal to technicians and radiologists. For those persons in a non-fasting status with a contracted gallbladder, the final adjudicated diagnosis was edited and appropriately coded to indicate a normal gallbladder.

GURQ24R: Measurement of largest echo -- clump (mm)

This variable provides measurement of the largest gallstone (codes 3 and 4 in GURFDX1R or GURFDX2R).

GURQ37R: Other non-gallbladder findings -- renal

This variable is a recode of the response to question Q37.

GURQ38R: Other non-gallbladder findings -- hepatic or liver

This variable is a recode of the response to question Q38.

GURQ8A1-GURQ8A6: Flag for abdominal scar and its location

To identify the location of a scar in GURQ8A1-GURQ8A6, refer to the upper body illustration (p. 394) of the Plan and Operation of the Third National Health and Nutrition Examination Survey, 1988-94 (NCHS, 1994; U.S. DHHS, 1996b).

GURR1CNF, GURR1QLT: Radiologist's confidence in diagnoses and assessment of quality of the videotape (first reading)

Three levels were used on the quality control form to record the radiologist's confidence in the diagnoses and assessment of the videotape quality. If for either variable, level 3 was marked, diagnoses from the corresponding readings were not used in computing the final, adjudicated primary and secondary diagnoses.

GURR1DX1, GURR1DX2: Radiologists' first reading

All videotaped scans were mailed to a radiologist for evaluation, which was recorded on a quality control form. After reviewing the scanned cases, the radiologist marked a maximum of two diagnoses on the quality control form and then evaluated the quality of the tapes, confidence in the diagnosis, and sometimes provided an optional, written comment explaining the diagnosis. Most examined persons had only a single diagnosis, and their code was placed in GURR1DX1. For those persons with two diagnoses, the lowest numbered code was placed in GURR1DX1, and the other code was placed in GURR1DX2. However, analysts should check both variables for specific codes of interest.

GURR1ID, GURR2ID: Radiologists' identification numbers

These are identification numbers for the radiologists reviewing the videotapes. A total of four radiologists

reviewed the videotapes under professional services contracts. After the first reading, all cases with significant disagreements between the technician's diagnosis and the radiologist's diagnosis were reevaluated by the senior radiologist (radiologist number 4).

GURRCSTR, GURRCSE: Flag for renal cyst and the size of the largest cyst

During the examination, the technician scanned the area surrounding the gallbladder for other abnormal pathologies. Right kidney abnormality is identified in the variable GURQ37R. The presence of one or more cysts in the kidney is identified in the variable GURRCSTR. GURRCSE indicates the size of the largest cyst.

GURTDX1R, GURTDX2R: Technician's primary and secondary diagnoses

Most examined persons had only a single diagnosis, and the code was placed in GURTDX1R. For those persons with two diagnoses, the lowest numbered code was placed in GURTDX1R, and the other code was placed in GURTDX2R. However, analysts should check both variables for specific codes of interest.

HXRRDAYS:

"In order to have as much information as possible in the primary exam, there were six instances where even though the Home exam was done before the MEC exam, the MEC exam was reported as the primary exam and the Home exam as a second exam. For these six instances, HXRRDAYS is reported as a positive number. The sequence numbers where this occurs are 02887, 03931, 07680, 09688, 19794, and 47394."

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

Computerized neurobehavioral testing was administered to a random half-sample of examinees aged 20-59 years by a trained examiner in a soundproof room in the mobile examination center (MEC). A screening questionnaire was administered to assess factors that might have affected test performance. There were no medical or safety exclusions for this component.

Because this examination was administered on a selected subsample in the examination center, the central nervous system (CNS) sample weight (WTPFCNS6) should be used for data analysis. For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

Three computerized tests were used to evaluate central nervous system function. They were: (1) a simple reaction time test (SRTT), a basic measure of motor response speed to a visual stimulus; (2) a symbol-digit substitution test (SDST), a test of coding ability; and (3) a serial-digit learning test (SDLT), a short-term memory test. These tests are components of the Neurobehavioral Evaluation System 2 (NES2) developed by Baker and Letz (1985; Letz, 1990). NES2 is a system of computerized tests designed to assess neurobehavioral function in epidemiological studies of populations with occupational or environmental exposure to chemicals.

The tests were administered on a Compaq 286 DeskPro(TM) personal computer (12.5 MHz, 80286 CPU chip) configured with 640K RAM, one 1.2MB floppy disk drive, one parallel port, two serial ports, a standard game joystick controller board, and an Ethernet interface board. The system used the standard, detachable keyboard with a custom-made wooden keyboard overlay that left only the top row of digit keys exposed to prevent inadvertent contact with keys not needed in the testing; it also used a standard, monochrome (green) Compaq monitor. In September 1991, between the conclusion of Phase 1 and the initiation of Phase 2 data collection, the monitors were replaced with comparable, new amber monitors due to a deterioration in display performance. A push-button, computer-game joystick (NES2 Joystick by Neurobehavioral Systems, Inc., Winchester, MA) was used to record the SRTT responses.

The tests were administered by health technicians, MEC interviewers, and translators who were trained to perform the testing. Before examinations began, special training sessions were held at NCHS or at the offices of the contractor responsible for survey operations. Training sessions also occurred at MEC sites during the survey, and retraining was done approximately twice per year. The test was conducted in English or Spanish, and examinees who could not speak English or Spanish were not tested. English or Spanish language instructions appeared on the computer screen for each test, and the examiner also gave the instructions verbally.

Translators were trained to administer the testing independently or with a health technician. The training was conducted in the MEC by a Spanish-speaking health technician, Spanish-speaking NCHS staff

member, or Spanish-speaking MEC interviewer trained to administer the CNS test. Training for translators included reviewing the manual with the trainer, performing the tests as an examinee, and administering the examination in Spanish.

Physical comfort may have affected examinees' test results. The air conditioning in the soundproof room used for testing sometimes failed to maintain an optimally comfortable room temperature. Because of this, room temperature (CNPTEMP) was recorded for use as a covariate; however, this practice did not begin until the second year of the survey. The location of the thermometer within the room and the time that temperature was recorded were not consistent throughout the survey. For instance, some examiners entered the temperature at the beginning of the testing session, and others recorded it at the end of the session. This source of error is likely to be small.

Initially, some trials of the SRTT were performed with both the non-preferred hand and the preferred hand. Early in the survey, the procedure was changed to perform all trials only with the preferred hand. As a result, analysts may want to exclude SRTT data from those examinees who used both hands for the test. The affected data have a value of "2 Non-preferred hand used on trials 31-50" for the variable CNRNBPB (LOG: Number of trials with preferred hand).

During Phase 2 of the survey, reading glasses were available for examinees who forgot to bring their own reading glasses to the MEC. Examinees could select from four pairs of glasses of different diopters or magnifying powers (+1.0 diopter, +1.5 diopters, +2.0 diopters, and +2.5 diopters).

Although all examiners were well-trained in standardized procedures for these tests, performance on neurobehavioral tests may have been subject to an examiner effect. This would have been particularly likely when the examiner encouraged the examinee during the exam, as was the case in NHANES III. Therefore, analysts should consider using the examiner number (CNRTECH) as a covariate in analyses of data from these tests.

For details of the examination protocol, see the Neurobehavioral Testing Procedures Manual (U.S. DHHS, 1996b).

Data processing and editing were performed to ensure internal data consistency. Notes have been provided for variables requiring additional explanation.

NHANES III Examination Data File

SECOND EXAM DATA

CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

CONDITIONS AFFECTING TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
3739 CNRQ01		How much sleep did you get last night? Would you say about the usual amount, less than usual, or more than usual?	
	228	1 About usual amount	
	115	2 Less than usual	
	27	3 More than usual	
	102	8 Blank but applicable	
	2124	Blank	
3740 CNRQ02		Right now would you say you are feeling energetic, fresh, average, tired, or exhausted?	
	14	1 Energetic	
	48	2 Fresh	
	207	3 Average	
	94	4 Tired	
	7	5 Exhausted	
	102	8 Blank but applicable	
	2124	Blank	
3741 CNRQ03		How much familiarity do you have with computers or video games? Would you say none, some, or a lot?	
	136	0 None	
	198	1 Some	
	36	2 A lot	
	102	8 Blank but applicable	
	2124	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

CONDITIONS AFFECTING TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
3742 CNRQ04		Not counting decaffeinated products, how many cups of coffee, tea, or cola have you had in the past 3 hours?	
	360	0 None	
	7	1 One	
	3	2 2 or more	
	102	8 Blank but applicable	
	2124	Blank	
3743 CNRQ05		How many drinks of alcohol have you had in the past 3 hours? Include any alcoholic drinks such as wine, beer, or hard liquor.	
	369	0 None	
	1	1 One	
	102	8 Blank but applicable	
	2124	Blank	
3744 CNRQ06		Which hand do you prefer to use for this test?	
	339	1 Right	
	31	2 Left	
	102	8 Blank but applicable	
	2124	Blank	
3745 CNRQ07		Simple Reaction Time Test (SRTT) completed	
	367	1 Yes	
	5	2 No	
	100	8 Blank but applicable	
	2124	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

CONDITIONS AFFECTING TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
3746 CNRQ08		Symbol Digit Substitution Test (SDST) completed	
	366	1 Yes	
	6	2 No	
	100	8 Blank but applicable	
	2124	Blank	
3747 CNRQ09		Serial Digit Learning Test (SDLT) completed	
	361	1 Yes	
	11	2 No	
	100	8 Blank but applicable	
	2124	Blank	
3748 CNRQ10		How hard did you try to perform this computer test?	
	6	0 None/not at all	
	84	1 Some	
	67	2 A lot	
	213	3 As hard as I could	
	102	8 Blank but applicable	
	2124	Blank	
3749 CNRLANG		Language used for test administration	
	332	1 English	
	38	2 Spanish	
	102	8 Blank but applicable	
	2124	Blank	
3750-3752 CNRTEMP		Room temperature (degrees Fahrenheit)	
	306	062-086	
	166	888 Blank but applicable	
	2124	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

CONDITIONS AFFECTING TEST RESULTS

Positions SAS name	Counts	Item description and code	Notes
3753-3757		Examiner number	
CNRTECH	371	01001-09018	
	101	88888 Blank but applicable	
	2124	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SIMPLE REACTION TIME TEST (SRTT)

Positions SAS name	Counts	Item description and code	Notes
3758 CNRNBPH		LOG: Number of trials with preferred hand	
	357	1 Preferred hand used on all 50 trials	
	10	2 Non-preferred hand used on trials 31-50	
	105	8 Blank but applicable	
	2124	Blank	
3759-3762 CNRRT01		SRTT: Trial 01 reaction time (msec)	
	367	0159-1202	
	105	8888 Blank but applicable	
	2124	Blank	
3763-3766 CNRRT02		SRTT: Trial 02 reaction time (msec)	
	367	0143-2218	
	105	8888 Blank but applicable	
	2124	Blank	
3767-3770 CNRRT03		SRTT: Trial 03 reaction time (msec)	
	367	0144-1045	
	105	8888 Blank but applicable	
	2124	Blank	
3771-3774 CNRRT04		SRTT: Trial 04 reaction time (msec)	
	367	0126-0999	
	105	8888 Blank but applicable	
	2124	Blank	
3775-3778 CNRRT05		SRTT: Trial 05 reaction time (msec)	
	367	0145-1200	
	105	8888 Blank but applicable	
	2124	Blank	

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SECOND EXAM DATA

CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SIMPLE REACTION TIME TEST (SRTT)

Positions SAS name	Counts	Item description and code	Notes
3779-3782 CNRRT06	367	SRTT: Trial 06 reaction time (msec) 0145-0998	
	105	8888 Blank but applicable	
	2124	Blank	
3783-3786 CNRRT07	367	SRTT: Trial 07 reaction time (msec) 0146-1000	
	105	8888 Blank but applicable	
	2124	Blank	
3787-3790 CNRRT08	367	SRTT: Trial 08 reaction time (msec) 0139-1196	
	105	8888 Blank but applicable	
	2124	Blank	
3791-3794 CNRRT09	367	SRTT: Trial 09 reaction time (msec) 0143-0758	
	105	8888 Blank but applicable	
	2124	Blank	
3795-3798 CNRRT10	367	SRTT: Trial 10 reaction time (msec) 0155-1000	
	105	8888 Blank but applicable	
	2124	Blank	
3799-3802 CNRRT11	367	SRTT: Trial 11 reaction time (msec) 0121-0999	
	105	8888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SIMPLE REACTION TIME TEST (SRTT)

Positions SAS name	Counts	Item description and code	Notes
3803-3806 CNRRT12	367	SRTT: Trial 12 reaction time (msec) 0138-1456	
	105	8888 Blank but applicable	
	2124	Blank	
3807-3810 CNRRT13	367	SRTT: Trial 13 reaction time (msec) 0136-0815	
	105	8888 Blank but applicable	
	2124	Blank	
3811-3814 CNRRT14	367	SRTT: Trial 14 reaction time (msec) 0132-0793	
	105	8888 Blank but applicable	
	2124	Blank	
3815-3818 CNRRT15	367	SRTT: Trial 15 reaction time (msec) 0129-0998	
	105	8888 Blank but applicable	
	2124	Blank	
3819-3822 CNRRT16	367	SRTT: Trial 16 reaction time (msec) 0148-0999	
	105	8888 Blank but applicable	
	2124	Blank	
3823-3826 CNRRT17	367	SRTT: Trial 17 reaction time (msec) 0142-0996	
	105	8888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SIMPLE REACTION TIME TEST (SRTT)

Positions SAS name	Counts	Item description and code	Notes
3827-3830 CNRRT18	367	SRTT: Trial 18 reaction time (msec) 0139-0953	
	105	8888 Blank but applicable	
	2124	Blank	
3831-3834 CNRRT19	367	SRTT: Trial 19 reaction time (msec) 0141-0998	
	105	8888 Blank but applicable	
	2124	Blank	
3835-3838 CNRRT20	367	SRTT: Trial 20 reaction time (msec) 0145-0800	
	105	8888 Blank but applicable	
	2124	Blank	
3839-3842 CNRRT21	367	SRTT: Trial 21 reaction time (msec) 0132-1000	
	105	8888 Blank but applicable	
	2124	Blank	
3843-3846 CNRRT22	367	SRTT: Trial 22 reaction time (msec) 0133-1002	
	105	8888 Blank but applicable	
	2124	Blank	
3847-3850 CNRRT23	367	SRTT: Trial 23 reaction time (msec) 0144-1200	
	105	8888 Blank but applicable	
	2124	Blank	

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SECOND EXAM DATA

CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SIMPLE REACTION TIME TEST (SRTT)

Positions SAS name	Counts	Item description and code	Notes
3851-3854 CNRRT24	367	SRTT: Trial 24 reaction time (msec) 0142-0998	
	105	8888 Blank but applicable	
	2124	Blank	
3855-3858 CNRRT25	367	SRTT: Trial 25 reaction time (msec) 0140-1202	
	105	8888 Blank but applicable	
	2124	Blank	
3859-3862 CNRRT26	367	SRTT: Trial 26 reaction time (msec) 0159-0910	
	105	8888 Blank but applicable	
	2124	Blank	
3863-3866 CNRRT27	367	SRTT: Trial 27 reaction time (msec) 0149-0999	
	105	8888 Blank but applicable	
	2124	Blank	
3867-3870 CNRRT28	367	SRTT: Trial 28 reaction time (msec) 0138-0998	
	105	8888 Blank but applicable	
	2124	Blank	
3871-3874 CNRRT29	367	SRTT: Trial 29 reaction time (msec) 0136-0710	
	105	8888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SIMPLE REACTION TIME TEST (SRTT)

Positions SAS name	Counts	Item description and code	Notes
3875-3878 CNRRT30	367	SRTT: Trial 30 reaction time (msec) 0160-0863	
	105	8888 Blank but applicable	
	2124	Blank	
3879-3882 CNRRT31	367	SRTT: Trial 31 reaction time (msec) 0132-0725	
	105	8888 Blank but applicable	
	2124	Blank	
3883-3886 CNRRT32	367	SRTT: Trial 32 reaction time (msec) 0130-0670	
	105	8888 Blank but applicable	
	2124	Blank	
3887-3890 CNRRT33	367	SRTT: Trial 33 reaction time (msec) 0146-1054	
	105	8888 Blank but applicable	
	2124	Blank	
3891-3894 CNRRT34	367	SRTT: Trial 34 reaction time (msec) 0135-0805	
	105	8888 Blank but applicable	
	2124	Blank	
3895-3898 CNRRT35	367	SRTT: Trial 35 reaction time (msec) 0162-0999	
	105	8888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SIMPLE REACTION TIME TEST (SRTT)

Positions SAS name	Counts	Item description and code	Notes
3899-3902 CNRRT36	367	SRTT: Trial 36 reaction time (msec) 0140-0999	
	105	8888 Blank but applicable	
	2124	Blank	
3903-3906 CNRRT37	367	SRTT: Trial 37 reaction time (msec) 0144-0711	
	105	8888 Blank but applicable	
	2124	Blank	
3907-3910 CNRRT38	367	SRTT: Trial 38 reaction time (msec) 0143-0992	
	105	8888 Blank but applicable	
	2124	Blank	
3911-3914 CNRRT39	367	SRTT: Trial 39 reaction time (msec) 0144-1013	
	105	8888 Blank but applicable	
	2124	Blank	
3915-3918 CNRRT40	367	SRTT: Trial 40 reaction time (msec) 0160-1725	
	105	8888 Blank but applicable	
	2124	Blank	
3919-3922 CNRRT41	367	SRTT: Trial 41 reaction time (msec) 0151-0999	
	105	8888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SIMPLE REACTION TIME TEST (SRTT)

Positions SAS name	Counts	Item description and code	Notes
3923-3926 CNRRT42	367	SRTT: Trial 42 reaction time (msec) 0151-1002	
	105	8888 Blank but applicable	
	2124	Blank	
3927-3930 CNRRT43	367	SRTT: Trial 43 reaction time (msec) 0131-0744	
	105	8888 Blank but applicable	
	2124	Blank	
3931-3934 CNRRT44	367	SRTT: Trial 44 reaction time (msec) 0149-0998	
	105	8888 Blank but applicable	
	2124	Blank	
3935-3938 CNRRT45	367	SRTT: Trial 45 reaction time (msec) 0139-0998	
	105	8888 Blank but applicable	
	2124	Blank	
3939-3942 CNRRT46	367	SRTT: Trial 46 reaction time (msec) 0142-0918	
	105	8888 Blank but applicable	
	2124	Blank	
3943-3946 CNRRT47	367	SRTT: Trial 47 reaction time (msec) 0154-0759	
	105	8888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SIMPLE REACTION TIME TEST (SRTT)

Positions SAS name	Counts	Item description and code	Notes
3947-3950 CNRRT48	367	SRTT: Trial 48 reaction time (msec) 0143-0959	
	105	8888 Blank but applicable	
	2124	Blank	
3951-3954 CNRRT49	367	SRTT: Trial 49 reaction time (msec) 0141-1716	
	105	8888 Blank but applicable	
	2124	Blank	
3955-3958 CNRRT50	367	SRTT: Trial 50 reaction time (msec) 0057-0742	
	105	8888 Blank but applicable	
	2124	Blank	
3959-3966 CNRMENRT	367	SRTT summary: Mean reaction time (msec) See note 0158.175-0652.069	
	105	88888888 Blank but applicable	
	2124	Blank	
3967-3974 CNRSDRT	367	SRTT summary: Standard deviation of the reaction times (msec)	See note
	105	012.1838-166.3286 88888888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
3975-3976 CNR1ERR	270	SDST: Number of errors, trial 1 00 None	
	57	01 1 error	
	20	02 2 errors	
	8	03 3 errors	
	7	04 4 errors	
	1	05 5 errors	
	2	06 6 errors	
	1	08 8 errors	
	106	88 Blank but applicable	
	2124	Blank	
3977-3981 CNR1LAT1	366	SDST: Latency 1, trial 1 (sec) -20.4-021.5	See note
	106	88888 Blank but applicable	
	2124	Blank	
3982-3986 CNR1LAT2	366	SDST: Latency 2, trial 1 (sec) -23.9-020.7	See note
	106	88888 Blank but applicable	
	2124	Blank	
3987-3991 CNR1LAT3	366	SDST: Latency 3, trial 1 (sec) -05.8-028.4	See note
	106	88888 Blank but applicable	
	2124	Blank	
3992-3996 CNR1LAT4	366	SDST: Latency 4, trial 1 (sec) -09.4-00026	See note
	106	88888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
3997-4001 CNR1LAT5	366 106 2124	SDST: Latency 5, trial 1 (sec) -08.5-00031 88888 Blank but applicable Blank	See note
4002-4006 CNR1LAT6	366 106 2124	SDST: Latency 6, trial 1 (sec) -0013-014.9 88888 Blank but applicable Blank	See note
4007-4011 CNR1LAT7	366 106 2124	SDST: Latency 7, trial 1 (sec) -0006-038.8 88888 Blank but applicable Blank	See note
4012-4016 CNR1LAT8	366 106 2124	SDST: Latency 8, trial 1 (sec) -10.1-031.3 88888 Blank but applicable Blank	See note
4017-4021 CNR1LAT9	366 106 2124	SDST: Latency 9, trial 1 (sec) -07.1-013.3 88888 Blank but applicable Blank	See note
4022-4027 CNR1TOTL	366 106 2124	SDST: Total latency, trial 1 (sec) 012.97-186.44 888888 Blank but applicable Blank	See note

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
4028-4029 CNRCORR1		SDST summary: Number of correct responses for latencies 2 through 9, trial 1	
	1	01	
	1	02	
	2	03	
	6	04	
	8	05	
	20	06	
	52	07	
	276	08	
	106	88 Blank but applicable	
	2124	Blank	
4030-4035 CNRCLAT1		SDST summary: Error-corrected latency for trial 1 - total latency/number of correct responses (sec)	See note
	366	001.62-026.63	
	106	888888 Blank but applicable	
	2124	Blank	
4036-4037 CNR2ERR		SDST: Number of errors, trial 2	
	308	00 None	
	38	01 1 error	
	15	02 2 errors	
	4	03 3 errors	
	1	08 8 errors	
	106	88 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
4038-4042 CNR2LAT1	366 106 2124	SDST: Latency 1, trial 2 (sec) -10.8-030.1 88888 Blank but applicable Blank	See note
4043-4047 CNR2LAT2	366 106 2124	SDST: Latency 2, trial 2 (sec) -07.4-020.8 88888 Blank but applicable Blank	See note
4048-4052 CNR2LAT3	366 106 2124	SDST: Latency 3, trial 2 (sec) -06.9-025.3 88888 Blank but applicable Blank	See note
4053-4057 CNR2LAT4	366 106 2124	SDST: Latency 4, trial 2 (sec) -03.3-019.1 88888 Blank but applicable Blank	See note
4058-4062 CNR2LAT5	366 106 2124	SDST: Latency 5, trial 2 (sec) -34.2-012.2 88888 Blank but applicable Blank	See note
4063-4067 CNR2LAT6	366 106 2124	SDST: Latency 6, trial 2 (sec) -06.7-00022 88888 Blank but applicable Blank	See note

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
4068-4072 CNR2LAT7	366 106 2124	SDST: Latency 7, trial 2 (sec) -08.9-010.1 88888 Blank but applicable Blank	See note
4073-4077 CNR2LAT8	366 106 2124	SDST: Latency 8, trial 2 (sec) -04.2-019.5 88888 Blank but applicable Blank	See note
4078-4082 CNR2LAT9	366 106 2124	SDST: Latency 9, trial 2 (sec) -04.7-034.1 88888 Blank but applicable Blank	See note
4083-4088 CNR2TOTL	366 106 2124	SDST: Total latency, trial 2 (sec) 012.78-185.08 888888 Blank but applicable Blank	See note
4089-4090 CNR2CORR2	1 4 12 30 319 106 2124	SDST summary: Number of correct responses for latencies 2 through 9, trial 2 01 05 06 07 08 88 Blank but applicable Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
4091-4096 CNRCLAT2		SDST summary: Error-corrected latency for trial 2 - total latency/number of correct responses (sec)	See note
	366	0001.6-027.13	
	106	888888 Blank but applicable	
	2124	Blank	
4097-4098 CNR3ERR		SDST: Number of errors, trial 3	
	307	00 None	
	34	01 1 error	
	14	02 2 errors	
	5	03 3 errors	
	5	04 4 errors	
	1	05 5 errors	
	106	88 Blank but applicable	
	2124	Blank	
4099-4103 CNR3LAT1		SDST: Latency 1, trial 3 (sec)	See note
	366	-04.5-020.9	
	106	88888 Blank but applicable	
	2124	Blank	
4104-4108 CNR3LAT2		SDST: Latency 2, trial 3 (sec)	See note
	366	-03.3-011.4	
	106	88888 Blank but applicable	
	2124	Blank	
4109-4113 CNR3LAT3		SDST: Latency 3, trial 3 (sec)	See note
	366	-04.4-016.8	
	106	88888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
4114-4118 CNR3LAT4	366 106 2124	SDST: Latency 4, trial 3 (sec) -07.3-033.8 88888 Blank but applicable Blank	See note
4119-4123 CNR3LAT5	366 106 2124	SDST: Latency 5, trial 3 (sec) -08.3-039.2 88888 Blank but applicable Blank	See note
4124-4128 CNR3LAT6	366 106 2124	SDST: Latency 6, trial 3 (sec) -04.2-028.5 88888 Blank but applicable Blank	See note
4129-4133 CNR3LAT7	366 106 2124	SDST: Latency 7, trial 3 (sec) -05.1-024.9 88888 Blank but applicable Blank	See note
4134-4138 CNR3LAT8	366 106 2124	SDST: Latency 8, trial 3 (sec) -06.9-00019 88888 Blank but applicable Blank	See note
4139-4143 CNR3LAT9	366 106 2124	SDST: Latency 9, trial 3 (sec) -10.8-022.2 88888 Blank but applicable Blank	See note

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
4144-4149 CNR3TOTL	366	SDST: Total latency, trial 3 (sec) 013.93-179.54	See note
	106	888888 Blank but applicable	
	2124	Blank	
4150-4151 CNR3CORR3		SDST summary: Number of correct responses for latencies 2 through 9, trial 3	
	1	03	
	3	04	
	5	05	
	14	06	
	34	07	
	309	08	
	106	88 Blank but applicable	
	2124	Blank	
4152-4157 CNRCLAT3		SDST summary: Error-corrected latency for trial 3 - total latency/number of correct responses (sec)	See note
	366	001.74-022.44	
	106	888888 Blank but applicable	
	2124	Blank	
4158-4159 CNR4ERR	296	SDST: Number of errors, trial 4 00 None	
	40	01 1 error	
	16	02 2 errors	
	10	03 3 errors	
	4	04 4 errors	
	106	88 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
4160-4164 CNR4LAT1	366	SDST: Latency 1, trial 4 (sec) -17.4-010.7	See note
	106	88888 Blank but applicable	
	2124	Blank	
4165-4169 CNR4LAT2	366	SDST: Latency 2, trial 4 (sec) -03.8-015.2	See note
	106	88888 Blank but applicable	
	2124	Blank	
4170-4174 CNR4LAT3	366	SDST: Latency 3, trial 4 (sec) -11.5-025.9	See note
	106	88888 Blank but applicable	
	2124	Blank	
4175-4179 CNR4LAT4	366	SDST: Latency 4, trial 4 (sec) -07.6-013.8	See note
	106	88888 Blank but applicable	
	2124	Blank	
4180-4184 CNR4LAT5	366	SDST: Latency 5, trial 4 (sec) -06.2-017.5	See note
	106	88888 Blank but applicable	
	2124	Blank	
4185-4189 CNR4LAT6	366	SDST: Latency 6, trial 4 (sec) -03.7-017.7	See note
	106	88888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
4190-4194 CNR4LAT7	366	SDST: Latency 7, trial 4 (sec) -0008-023.6	See note
	106	88888 Blank but applicable	
	2124	Blank	
4195-4199 CNR4LAT8	366	SDST: Latency 8, trial 4 (sec) -08.6-025.1	See note
	106	88888 Blank but applicable	
	2124	Blank	
4200-4204 CNR4LAT9	366	SDST: Latency 9, trial 4 (sec) 00000-027.8	See note
	106	88888 Blank but applicable	
	2124	Blank	
4205-4210 CNR4TOTL	366	SDST: Total latency, trial 4 (sec) 013.57-158.25	See note
	106	888888 Blank but applicable	
	2124	Blank	
4211-4212 CNR4CORR4		SDST summary: Number of correct responses for latencies 2 through 9, trial 4	
	4	04	
	9	05	
	14	06	
	38	07	
	301	08	
	106	88 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SYMBOL DIGIT SUBSTITUTION TEST (SDST)

Positions SAS name	Counts	Item description and code	Notes
4213-4218 CNRCLAT4		SDST summary: Error-corrected latency for trial 4 - total latency/number of correct responses (sec)	See note
	366	0001.7-019.78	
	106	888888 Blank but applicable	
	2124	Blank	
4219-4223 CNRCBEST		SDST summary: Mean of the two lowest error-corrected latencies (sec/correct digit)	See note
	366	01.65-21.11	
	106	88888 Blank but applicable	
	2124	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SERIAL DIGIT LEARNING TEST (SDLT)

Positions SAS name	Counts	Item description and code	Notes
4224 CNRT0TRA	334	SDLT: Total 0 trials 1 1 trial 0	
	22	2 2 trial 0	
	3	3 3 trial 0	
	2	4 4 trial 0	
	111	8 Blank but applicable	
	2124	Blank	
4225 CNR1SCOR	106	SDLT: Score, trial 1 0 Correct	See note
	90	1 2/3 correct	
	165	2 Incorrect	
	111	8 Blank but applicable	
	2124	Blank	
4226 CNR2SCOR	194	SDLT: Score, trial 2 0 Correct	See note
	63	1 2/3 correct	
	104	2 Incorrect	
	111	8 Blank but applicable	
	2124	Blank	
4227 CNR3SCOR	149	SDLT: Score, trial 3 0 Correct	See note
	45	1 2/3 correct	
	71	2 Incorrect	
	111	8 Blank but applicable	
	2220	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SERIAL DIGIT LEARNING TEST (SDLT)

Positions SAS name	Counts	Item description and code	Notes
4228 CNR4SCOR		SDLT: Score, trial 4	See note
	84	0 Correct	
	38	1 2/3 correct	
	52	2 Incorrect	
	111	8 Blank but applicable	
	2311	Blank	
4229 CNR5SCOR		SDLT: Score, trial 5	See note
	50	0 Correct	
	29	1 2/3 correct	
	43	2 Incorrect	
	111	8 Blank but applicable	
	2363	Blank	
4230 CNR6SCOR		SDLT: Score, trial 6	See note
	37	0 Correct	
	19	1 2/3 correct	
	38	2 Incorrect	
	111	8 Blank but applicable	
	2391	Blank	
4231 CNR7SCOR		SDLT: Score, trial 7	See note
	33	0 Correct	
	12	1 2/3 correct	
	34	2 Incorrect	
	111	8 Blank but applicable	
	2406	Blank	

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CENTRAL NERVOUS SYSTEM FUNCTION EVALUATION

SERIAL DIGIT LEARNING TEST (SDLT)

Positions SAS name	Counts	Item description and code	Notes
4232 CNR8SCOR	25	SDLT: Score, trial 8 0 Correct	See note
	14	1 2/3 correct	
	25	2 Incorrect	
	111	8 Blank but applicable	
	2421	Blank	
4233-4234 CNRTSTOC	96	SDLT summary: Trials to criterion 02	
	91	03	
	52	04	
	28	05	
	15	06	
	15	07	
	63	08	
	1	09	
	111	88 Blank but applicable	
	2124	Blank	
4235-4236 CNRTTSCR	361	SDLT summary: Total score 00-16	
	111	88 Blank but applicable	
	2124	Blank	

NOTES

CNR1LAT1-CNR1LAT9, CNR2LAT1-CNR2LAT9, CNR3LAT1-CNR3LAT9,
CNR4LAT1-CNR4LAT9: Latencies for trials 1-4

A total of five trials were conducted in the Symbol Digit Substitution Test (SDST), a practice trial (not included in these data) and four actual trials (trials 1-4). The practice trial was primarily for training the examinee in the test procedure. It did not accept incorrect responses, and data from the practice trial are not included in this file. If the examinee entered an incorrect digit, a short beep sounded, and no digit was entered on the screen; to proceed, a correct digit had to be entered. If the examinee made more than four errors during the practice trial, the trial was repeated. If the examinee made more than four errors on the second attempt of the practice trial, the test was discontinued, and the next test was initiated automatically. Symbols and digits were paired differently on each trial. Although incorrect responses were allowed on the four actual trials, more than four errors resulted in a message emphasizing the need to avoid errors.

These variables represent the latency to enter each of the nine digits of each trial. Incorrect responses were reported as negative values.

CNR1SCOR-CNR8SCOR: Serial Digit Learning Test (SDLT) score

Note that to allow comparison with NES2 results from other settings the scoring convention for this variable differs from that usually applied to the NHANES III data, where 0 indicates none or never. Examinees received a score of 0 if all eight digits were entered correctly, 1 if six or seven digits were entered correctly, and 2 if fewer than six digits were entered correctly.

CNR1TOTL, CNR2TOTL, CNR3TOTL, CNR4TOTL: Total latency, trials 1-4

CNR1TOTL represents the time elapsed on trial 1 from the time the first item was answered to the time the ninth item was answered. Therefore, it does not include the latency to respond to the first symbol.

CNR2LAT1-CNR2LAT9: Latencies for trial 2

See note for CNR1LAT1-CNR1LAT9.

CNPRTOTL: Total latency, trial 2

See note for CNR1TOTL.

CNR3LAT1-CNR3LAT9: Latencies for trial 3

See note for CNR1LAT1-CNR1LAT9.

CNR3TOTL: Total latency, trial 3

See note for CNR1TOTL.

CNR4LAT1-CNR4LAT9: Latencies for trial 4

See note for CNR1LAT1-CNR1LAT9.

CNR4TOTL: Total latency, trial 4

See note for CNR1TOTL.

CNRCBEST: Mean of two lowest error-corrected latencies

This single summary measure for the SDST is the mean of the error-corrected latencies (CNRCLAT1-CNRCLAT4) on the two best (lowest latency) of the four trials. The units for this summary measure are "sec/correct digit."

CNRCLAT1, CNRCLAT2, CNRCLAT3, CNRCLAT4: Error-corrected latency for trials 1-4

The error-corrected latency was calculated for each of the four actual trials. It is the mean number of seconds per correct digit for each trial, excluding the first item in the trial.

If the number of correct responses for latencies 2 through 9 was 0, CNRCLAT1 was set to missing (blank). Otherwise, $CNRCLAT1 = CNR1TOTL / CNRCORR1$.

CNRCLAT2: Error-corrected latency for trial 2

See note for CNRCLAT1.

CNRCLAT3: Error-corrected latency for trial 3

See note for CNRCLAT1.

CNRCLAT4: Error-corrected latency for trial 4

See note for CNRCLAT1.

CNRMENRT: Mean reaction time

To calculate the mean reaction time, values from the first ten trials (CNRRT01-CNRRT10) were excluded as well as values from other trials that were greater than or equal to 750 msec or less than or equal to 50 msec. This mean may not be valid if the number of trials included in the average was less than 20.

CNRSDRT: Standard deviation of the reaction time

To calculate the standard deviation of the reaction time, values from the first ten trials (CNRRT01-CNRRT10) were excluded as well as values from other trials that were greater than or equal to 750 msec or less than or equal to 50 msec. This statistic may not be valid if the number of trials included in the calculation was less than 20.

FUNDUS PHOTOGRAPHY

A photograph of the ocular fundus of one eye was taken on examinees aged 40 years and over by a trained examiner in the mobile examination center (MEC). The protocol for this component did not detail any medical, safety or other exclusions. However, if the designated eye was unavailable due to an extremely small pupil, severe corneal or lens opacity, complete retinal detachment, or other reason, the other eye was photographed. If both eyes were unavailable, no photograph was taken.

Because the component was administered in the examination center, MEC examination weights (WTPFEX6) should be used for data analysis. For more information on the use of sample weights in the analysis of NHANES III data, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

Photographs of the ocular fundus were taken to determine the presence of diabetic retinopathy, age-related maculopathy, and other retinal diseases that are the leading causes of vision loss in the United States. A non-stereoscopic, color, 45-degree photograph, centered between the optic nerve and the macula, was taken of one randomly selected eye. The camera used was a Canon CR4-45NM "non-mydratic" fundus camera, which incorporated the use of an infrared video camera to allow photographs to be taken in a darkened examination room without the use of dilating drops.

In a darkened room, the sphincter muscle of the iris normally relaxes, allowing for dilation of the pupil, usually to 6-10 mm in diameter. The technician observed the eye's natural dilation on a special video monitor and took the color photograph with a single flash of white light. If the examinee wore a contact lens, the photograph was taken directly through the contact lens. The entire procedure usually took less than six minutes. Detailed information on the examination procedure is in the Fundus Photography chapter of the Health Technician's Manual (U.S. DHHS, 1996b).

The exposed film was mailed to the University of Wisconsin-Madison, Department of Ophthalmology, where it was processed by a local laboratory into transparencies that were evaluated for photographic quality.

The ocular fundus images on the final transparencies were reviewed by photograph graders to assess the presence of diabetic retinopathy, age-related maculopathy, and other retinal diseases. The grading system used for classifying diabetic retinopathy was based on a modification of the Airlie House Classification Scheme (Diabetic Retinopathy Study Group, 1981; Klein, 1984; Klein, 1986; The Early Treatment Diabetic Retinopathy Study Group, 1991).

The Modified Airlie House Classification of Diabetic Retinopathy slide standards consist of 27 stereo pairs of color fundus photographs of diabetic retinopathy and one slide depicting poor photographic quality. The standard slides show diabetic proliferative disease and are used for grading the severity of diabetic retinopathy. The set is available with a detailed chapter outlining its use and a sample grading form. Additional information is available from The Fundus Photograph Reading

Center, c/o Michael Neider, WARF Building Room 450, 610 Walnut Street, Madison, WI 53705.

The fundus photography consultant provided extensive training to technicians at their time of hire, and each technician's performance was monitored in the field on a periodic basis.

Two sources of nonsampling or measurement error were monitored throughout the survey, the picture taking procedure and the image grading procedure. To ensure that adequate photographs were taken, the technicians' performance was monitored by a review of photographs at the University of Wisconsin and by review and retraining field visits. To evaluate the grading procedure, 1500 transparencies were chosen at random for use in assessing inter- and intra-grader reliability. The Kappa statistic was chosen to assess agreement (Fleiss, 1981). The measures of agreement were generally good to excellent and improved across time.

Data processing and editing were performed to ensure internal data consistency. Notes have been provided for variables requiring additional explanation.

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

INTRODUCTORY INFORMATION AND CONDITIONS AFFECTING RESULTS

Positions SAS name	Counts	Item description and code	Notes
4237 FPRPHOTO	760	Photo taken? 1 Yes	See note
	11	2 No	
	74	8 Blank but applicable	
	1751	Blank	
4238 FPR1A	169	Eye color: right eye 1 Blue	
	144	2 Other	
	416	3 Brown	
	116	8 Blank but applicable	
	1751	Blank	
4239 FPR1B	169	Eye color: left eye 1 Blue	
	143	2 Other	
	417	3 Brown	
	116	8 Blank but applicable	
	1751	Blank	
4240-4241 FPR2	751	Pupil size before dilation in normal room light (mm) 00-05	
	94	88 Blank but applicable	
	1751	Blank	
4242-4243 FPR3	751	Pupil size during photography as measured on camera monitor (mm) 00-10	
	94	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

INTRODUCTORY INFORMATION AND CONDITIONS AFFECTING RESULTS

Positions SAS name	Counts	Item description and code	Notes
4244-4245 FPR4MIN		Elapsed time between darkening room and taking photograph (min)	
	750	00-12	
	95	88 Blank but applicable	
	1751	Blank	
4246-4247 FPR4SEC		Elapsed time between darkening room and taking photograph (sec)	
	749	00-59	
	96	88 Blank but applicable	
	1751	Blank	
4248-4252 FPRPHTG		Photographer	
	772	01001-01604	
	73	88888 Blank but applicable	
	1751	Blank	
4253 FPREYE		Eye	
	349	1 Right	
	388	2 Left	
	109	8 Blank but applicable	
	1750	Blank	
4254-4256 FPR1005		Grader code	
	350	016 1st grader	
	399	102 2nd grader	
	96	888 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

GRADING RESULTS AND SUMMARY SCORES

Positions SAS name	Counts	Item description and code	Notes
4257-4258 FPR1020		Fundus	See note
	9	00 Absent (End)	
	740	02 Present	
	96	88 Blank but applicable	
	1751	Blank	
4259-4260 FPR1030		Focus	
	592	00 Good/fair	
	90	01 Borderline (can't grade small microaneurysms or drusen)	
	58	02 Poor	
	105	88 Blank but applicable	
	1751	Blank	
4261-4262 FPR1041		Field definition	
	549	00 Good	
	170	01 Fair	
	12	02 Poor	
	9	08 Can't grade	
	105	88 Blank but applicable	
	1751	Blank	
4263-4264 FPR1046		Horizontal field definition	
	596	00 Good	
	36	01 Temporal	
	98	02 Nasal	
	10	08 Can't grade	
	105	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

GRADING RESULTS AND SUMMARY SCORES

Positions SAS name	Counts	Item description and code	Notes
4265-4266 FPR1047	635	Vertical field definition 00 Good	
	85	01 High	
	11	02 Low	
	9	08 Can't grade	
	105	88 Blank but applicable	
	1751	Blank	
4267-4268 FPR1050	166	Artifact present 00 None	
	574	02 Yes	
	105	88 Blank but applicable	
	1751	Blank	
4269-4270 FPR1051	317	Type of artifact: haze 00 None	
	423	02 Yes	
	105	88 Blank but applicable	
	1751	Blank	
4271-4272 FPR1052	607	Type of artifact: dust/dirt 00 None	
	133	02 Yes	
	105	88 Blank but applicable	
	1751	Blank	
4273-4274 FPR1053	694	Type of artifact: lashes 00 None	
	46	02 Yes	
	105	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

GRADING RESULTS AND SUMMARY SCORES

Positions SAS name	Counts	Item description and code	Notes
4275-4276 FPR1054	701	Type of artifact: arc 00 None	
	39	02 Yes	
	105	88 Blank but applicable	
	1751	Blank	
4277-4278 FPR1055	666	Type of artifact: uneven illumination, center 00 None	
	74	02 Yes	
	105	88 Blank but applicable	
	1751	Blank	
4279-4280 FPR1056	720	Type of artifact: uneven illumination, edge 00 None	
	20	02 Yes	
	105	88 Blank but applicable	
	1751	Blank	
4281-4282 FPR1057	535	Type of artifact: central dot 00 None	
	205	02 Yes	
	105	88 Blank but applicable	
	1751	Blank	
4283-4284 FPR1059	710	Type of artifact: other 00 None	
	30	02 Yes	
	105	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

GRADING RESULTS AND SUMMARY SCORES

Positions SAS name	Counts	Item description and code	Notes
4285-4286		Gradability	See note
FPR1060	634	00 Entire field gradable	
	1	01 Disc ungradable	
	59	02 Portion of macula ungradable	
	17	03 Macula ungradable	
	4	04 Portion of disc/macula ungradable	
	3	05 Disc and macula ungradable	
	22	06 Entire field ungradable (End)	
	105	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4287-4289		Diabetic retinopathy level	See note
FPR1070	639	010 No retinopathy	
	10	011 Questionable retinopathy	
	3	012 Non-diabetic retinopathy	
	1	014 Hard exudates, soft exudates, intraretinal microvascular abnormalities (IRMA), without microaneurysms	
	8	015 Hemorrhages only, no microaneurysms	
	23	020 Microaneurysms only	
	5	031 Early non-proliferative diabetic retinopathy	
	9	041 Moderate non-proliferative diabetic retinopathy	
	1	051 Severe non-proliferative diabetic retinopathy	
	19	088 Can't grade	
	127	888 Blank but applicable	
	1751	Blank	
4290-4291		Hemorrhages or microaneurysms	
FPR1080	641	00 None	
	9	01 Questionable	
	49	02 Less than DRS 2A	
	19	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4292-4293		Hard exudates	
FPR1090	689	00 None	
	3	01 Questionable	
	5	02 Less than DRS 3	
	4	03 Greater than or equal to DRS 3	
	17	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4294-4295		Soft exudates	
FPR1100	693	00 None	
	1	01 Questionable	
	10	02 Present	
	14	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4296-4297		Intraretinal microvascular abnormalities (IRMA)	
FPR1110	693	00 None	
	3	01 Questionable	
	3	02 Present	
	19	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4298-4299		Venous beading	
FPR1120	706	00 None	
	1	02 Present	
	11	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4300-4301 FPR1130	712	New vessels in disc 00 None	
	6	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4302-4303 FPR1140	712	New vessels elsewhere 00 None	
	6	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4304-4305 FPR1150	713	Fibrous proliferation 00 None	
	1	01 Questionable	
	4	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4306-4307 FPR1160	714	Pre-retinal hemorrhage or vitreous hemorrhage 00 None	
	4	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4308-4309 FPR1170	540	Other abnormalities 00 No	
	178	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4310-4311 FPR1172		Degeneration of retinal pigment epithelium (RPE)	
	695	00 None	
	15	01 Questionable	
	8	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4312-4313 FPR1173		Central circle RPE degeneration	
	711	00 None	
	7	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4314-4315 FPR1174		Geographic atrophy	
	712	00 None	
	1	01 Questionable	
	5	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4316-4317 FPR1175		Central circle geographic atrophy	
	714	00 None	
	4	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4318-4319 FPR1176		Sub-retinal hemorrhage	
	717	00 None	
	1	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4320-4321 FPR1177	718	Central circle sub-retinal hemorrhage 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4322-4323 FPR1178	715	Sub-retinal fibrous scar 00 None	
	3	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4324-4325 FPR1179	716	Central circle sub-retinal fibrous scar 00 None	
	2	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4326-4327 FPR1180	714	Sensory serous (sub-retinal) detachment 00 None	
	2	01 Questionable	
	2	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4328-4329 FPR1181	718	Central circle sensory serous (sub- retinal) detachment 00 None	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4330-4331 FPR1182	699	Hyperpigmentation 00 None	
	9	01 Questionable	
	10	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4332-4333 FPR1183	712	Central circle hyperpigmentation 00 None	
	6	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4334-4335 FPR1184	712	Chorioretinal abnormalities, other 00 None	
	6	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4336-4337 FPR1185	714	Central circle chorioretinal abnormalities, other 00 None	
	4	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4338-4339 FPR1186	693	Peripapillary atrophy 00 None	
	3	01 Questionable	
	22	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4340-4341 FPR1188	718	Branch or central artery occlusion 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4342-4343 FPR1189	718	Central circle branch or central artery occlusion 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4344-4345 FPR1190	715	Branch vein occlusion 00 None	
	1	01 Questionable	
	2	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4346-4347 FPR1191	717	Central circle branch vein occlusion 00 None	
	1	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4348-4349 FPR1192	718	Central vein occlusion 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4350-4351 FPR1193	718	Central circle central vein occlusion 00 None	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4352-4353 FPR1194	714	Significant arterio-venous nicking 00 None	
	3	01 Questionable	
	1	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4354-4355 FPR1196	717	Hollenhorst plaque 00 None	
	1	01 Questionable	
	127	88 Blank but applicable	
	1751	Blank	
4356-4357 FPR1197	718	Central circle Hollenhorst plaque 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4358-4359 FPR1198	716	Asteroid hyalosis 00 None	
	2	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4360-4361 FPR1199	716	Central circle asteroid hyalosis 00 None	
	2	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4362-4363 FPR1200	710	Nevus 00 None	
	2	01 Questionable	
	6	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4364-4365 FPR1201	718	Central circle nevus 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4366-4367 FPR1202	670	Surface wrinkling retinopathy 00 None	
	16	01 Questionable	
	32	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4368-4369 FPR1203	706	Central circle surface wrinkling retinopathy 00 None	
	12	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4370-4371 FPR1204	716	Abnormal disc 00 None	
	1	01 Questionable	
	1	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4372-4373 FPR1205	682	Large cup-to-disc ratio 00 None	
	25	01 Questionable	
	11	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4374-4375 FPR1206	718	Histoplasmosis (POHS) 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4376-4377 FPR1207	718	Central circle histoplasmosis (POHS) 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4378-4379 FPR1208	715	Clinically significant macular edema based on hard exudates 00 None	
	1	01 Questionable	
	2	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4380-4381 FPR1209	716	Central circle clinically significant macular edema based on hard exudates 00 None	
	2	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4382-4383 FPR1210	718	Retinal detachment 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4384-4385 FPR1211	718	Central circle retinal detachment 00 None	
	127	88 Blank but applicable	
	1751	Blank	
4386-4387 FPR1212	715	Photocoagulation treatment in arcades 00 None	
	3	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4388-4389 FPR1214	715	Photocoagulation treatment outside arcades 00 None	
	3	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4390-4391 FPR1220	673	Other miscellaneous abnormalities 00 None	
	9	01 Questionable	
	36	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4392-4393 FPR1221		Other miscellaneous central circle abnormalities	
	714	00 None	
	4	02 Yes	
	127	88 Blank but applicable	
	1751	Blank	
4394-4395 FPR1228		Answer drusen questions	
	145	00 No	
	569	02 Yes	
	4	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4396-4397 FPR1230		Hard drusen	See note
	162	00 None	
	65	01 Questionable	
	462	02 Yes	
	29	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4398-4399 FPR1240		Soft drusen	See note
	615	00 None	
	28	01 Questionable	
	70	02 Yes	
	5	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4400-4401		Drusen area: grid	See note
FPR1250	296	00 None	
	243	01 Less than a circle of 95 microns in diameter (standard circle C0)	
	144	02 Less than a circle of 375 microns in diameter (standard circle C2)	
	20	03 Less than a circle of 960 microns in diameter (standard circle O2)	
	7	04 Greater than or equal to a circle of 960 microns in diameter (standard circle O2)	
	8	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4402-4403		Drusen area: outside	See note
FPR1260	420	00 None	
	198	01 Less than a circle of 95 microns in diameter (standard circle C0)	
	62	02 Less than a circle of 375 microns in diameter (standard circle C2)	
	19	03 Less than a circle of 960 microns in diameter (standard circle O2)	
	9	04 Greater than or equal to a circle of 960 microns in diameter (standard circle O2)	
	10	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4404-4405		Drusen area: central circle	See note
FPR1262	464	00 None	
	170	01 Less than a circle of 95 microns in diameter (standard circle C0)	
	36	02 Less than a circle of 375 microns in diameter (standard circle C2)	
	8	03 Less than a circle of 960 microns in diameter (standard circle O2)	
	40	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4406-4407		Drusen area: inner circle	See note
FPR1264	350	00 None	
	230	01 Less than a circle of 95 microns in diameter (standard circle C0)	
	110	02 Less than a circle of 375 microns in diameter (standard circle C2)	
	15	03 Less than a circle of 960 microns in diameter (standard circle O2)	
	6	04 Greater than or equal to a circle of 960 microns in diameter (standard circle O2)	
	7	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

FINDINGS

Positions SAS name	Counts	Item description and code	Notes
4408-4409		Central circle soft drusen	See note
FPR1266	659	00 None	
	6	01 Questionable	
	20	02 Yes	
	33	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

SUMMARY SCORES

Positions SAS name	Counts	Item description and code	Notes
4410-4411		Summary diabetic retinopathy score	See note
FPRSURET	660	00 None	
	26	01 Mild	
	10	02 Moderate	
	3	03 Proliferative	
	19	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	
4412-4413		Summary age-related maculopathy score	See note
FPRSUMAC	636	00 None	
	58	01 Early	
	7	02 Late	
	17	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

FUNDUS PHOTOGRAPHY

SUMMARY SCORES

Positions SAS name	Counts	Item description and code	Notes
4414-4415		Summary drusen score	See note
FPRSUDRU	177	00 None	
	64	01 Questionable	
	473	02 Present	
	4	08 Can't grade	
	127	88 Blank but applicable	
	1751	Blank	

NOTES

FPR1020: Fundus

When the fundus was absent (FPP1020=00), the grader was instructed to stop. All ensuing fields, FPP1030 through FPP1270, were then left blank by the grader. During data processing, the blank fields were recoded "88 Blank but applicable."

FPR1060: Gradability status

Not all photographs were gradable. The principal reasons were related to the camera (e.g., malfunction, poor focus, dirty lens) and to the examinee (e.g., cataracts, eye movement, corneal change, poor pupil dilation, lens implants). The grader was instructed to stop when the entire field was ungradable (FPR1060=06), at which point the remaining fields were left blank. During data processing, the blank fields were recoded "88 Blank but applicable."

FPR1070: Diabetic retinopathy level

This variable represents the current state of severity of retinopathy in the eye. As such, it differs from the summary diabetic retinopathy score (FPRSURET) which represents the combination of current and past retinopathy status.

FPR1230-FPR1266: Drusen details

Drusen vary in appearance, merging at one end of the spectrum with the normal fundus background and at the other end with diffuse degeneration of the retinal pigment epithelium. Typical small drusen usually appear as individual, round, flat spots in the plane of the retinal pigment epithelium. They may be pale yellowish-white, contrasting sharply with the surrounding retinal pigment epithelium, or only slightly more pale than the retinal pigment epithelium and easily overlooked, even with careful examination of well-focused photographs. Larger drusen typically are yellow-white in color and often have visible thickness. Some have sharp margins and a solid, nodular appearance, whereas others have indistinct margins and a softer, more liquid appearance. Drusen may be distributed as individual spots or may appear to merge with adjacent drusen.

In NHANES III, two characteristics of drusen type (hard or soft) and area were graded in a semi-quantitative fashion within and outside the grid. Small punctate drusen (usually less than 95 microns in diameter) were classified as hard drusen; larger drusen were classified as soft. No attempt was made to further characterize soft drusen by appearance as soft distinct or indistinct.

Drusen area was estimated within a central circle of the grid,

within the grid, and outside the grid. The area covered by drusen was estimated by mentally moving together all hard or soft drusen as if they were confluent and comparing this area with those of standard circles. The estimate of drusen area was classified into one of four categories: smaller than a circle with a diameter of 95 microns (comparable to the 63-micron diameter circle used in a 30-degree field), smaller than a circle with a diameter of 375 microns (250-micron diameter in a 30-degree field), smaller than a circle with a diameter of 960 microns (640-micron diameter in a 30-degree field), or equal to or larger than a circle with a diameter of 960 microns.

FPRPHOTO: Photographic status

Fundus photographs were not taken on all examinees who came to the mobile examination center. The principal reasons were refusal to cooperate, equipment failure, physical inability, and insufficient time.

FPRSUDRU: Summary drusen score

The summary drusen score was derived from a combination of values from several variables.

Definite drusen present: FPR1230, hard drusen, and/or FPR1240, soft drusen, were coded "02 Yes."

Questionable drusen present: Definite drusen were not present, and FPR1230, hard drusen, and/or FPR1240, soft drusen, were/was coded "01 Questionable."

No drusen present: Neither definite nor questionable drusen was present, and FPR1230, hard drusen, and/or FPR1240, soft drusen, were/was coded "00 None."

Cannot grade drusen: FPR1230, hard drusen, and FPR1240, soft drusen, were both coded "08 Can't grade."

Blank but applicable: FPR1060, gradability, was coded "06 Entire field ungradable," or FPR1020, fundus, was coded "00 Absent" or "88 Blank but applicable."

FPRSUMAC: Summary age-related maculopathy score

The summary age-related maculopathy score was derived from a combination of values from several variables. A detailed description of lesions as defined by the Wisconsin Age-Related Maculopathy Grading System is available (Klein, 1991; NTIS, 1991).

Late age-related maculopathy: At least one of the following variables was coded "02 Yes."

FPR1174, geographic atrophy

FPR1176, sub-retinal hemorrhage
FPR1178, sub-retinal fibrous scar
FPR1180, sensory serous (sub-retinal) detachment

Early age-related maculopathy: At least one of the following three sets of conditions was met.

FPR1172, degeneration of retinal pigment epithelium (RPE), was coded "02 Yes," and (FPR1230, hard drusen, and/or FPR1240, soft drusen, were/was coded "02 Yes").

FPR1182, hyperpigmentation, was coded "02 Yes," and (FPR1230, hard drusen, and/or FPR1240, soft drusen, were/was coded "02 Yes").

FPR1240, soft drusen, was coded "02 Yes," and FPR1250, grid area, was coded 02-04 (equal to or greater than a circle 95 microns in diameter).

No age-related maculopathy: Early and late age-related maculopathy definitions were not met, and FPR1240, soft drusen, was coded 00-02 (gradable).

"Cannot grade" age-related maculopathy: Early and late age-related maculopathy definitions were not met, and FPR1240, soft drusen, was coded "08 Can't grade."

Blank but applicable: FPR1060, gradability, was coded "06 Entire field ungradable," or FPR1020, fundus, was coded "00 Absent" or "88 Blank but applicable."

FPRSURET: Summary diabetic retinopathy score

The summary diabetic retinopathy score was derived from a combination of values from several variables. That is, it combines the diabetic retinopathy level variable (FPR1070) and history of treatment for proliferative diabetic retinopathy (using the photocoagulation treatment outside the arcades variable (FPR1214) as a marker). A detailed description of lesions as defined by The Early Treatment Diabetic Retinopathy Study (ETDRS) is available in the ETDRS report #10 (The Early Treatment Diabetic Retinopathy Study, 1991). The NHANES III fundus photo grading protocol (NTIS, 1995) describes methods of assigning diabetic levels.

Proliferative diabetic retinopathy: At least one of the following two sets of conditions was met.

FPR1070, diabetic retinopathy level, was coded 060-070.

FPR1070, diabetic retinopathy level, has a code of anything other than "012 Non-diabetic retinopathy," and FPR1214, photocoagulation treatment outside arcades, was coded "02 Yes."

Moderate/severe non-proliferative retinopathy: FPR1070, diabetic

retinopathy level, was coded "041 Moderate non-proliferative" or "051 Severe non-proliferative."

Mild non-proliferative retinopathy: FPR1070, diabetic retinopathy level, was coded "020 Microaneurysms only" or "031 Early non-proliferative."

No diabetic retinopathy: FPR1070, diabetic retinopathy level, was coded 010-015.

"Cannot grade" diabetic retinopathy: FPR1070, diabetic retinopathy level, was coded "088 Can't grade."

Blank but applicable: FPR1060, gradability, was coded "06 Entire field ungradable," or FPR1020, fundus, was coded "00 Absent" or "88 Blank but applicable."

PHYSICAL FUNCTION EVALUATION

Physical function (PF) was evaluated on examinees aged 60 years and over by a trained examiner using a battery of physical performance measures in the mobile examination center (MEC) and at examinees' homes. The protocol for this component did not detail any medical, safety or other exclusions.

To determine which sample persons were home examinees, the DMPSTAT variable (3=home-examined) should be used. When analyzing data for combined home-examined and MEC-examined persons, the combined MEC- plus home-examined sample weight should be used (WTPFH6). When using only MEC items or measures, the MEC examination sample weight should be used (WTPFEX6). For more information on the use of sample weights in NHANES III data analysis, refer to the NHANES III Analytic and Reporting Guidelines (U.S. DHHS, 1996b).

Physical function was tested using certain movements that represent musculoskeletal activities needed to carry out daily activities. Gross shoulder joint movement, fine motor hand movement, lower extremity motor functions, and integrated movement of balance and gait were determined. Upper extremity functions were evaluated using Jette and Branch (1984) right and left shoulder, external and internal rotations (PFRRSER, PFRLSER, PFRRSIR, and PFRLSIR). The fine motor function examination was a modification of a manual ability examination in which a key was inserted into a lock and then was turned (PFRTKEY) (Williams, 1982). The lower extremity motor, balance, and gait evaluation items included time to get up from an armless chair five times (PFRTSTND), a full tandem stand with the heel of one foot directly in front of the toes of the other foot for a maximum time of 10 seconds (PFRTTAND), and left and right knee flexing (PFRLFLEX and PFRRFLEX). An eight-foot walk performed twice at the usual walking speed (PFRTWLKA, PFRTWLKB, PFRNSTPA, and PFRNSTPB) was used also (Jette, 1985; Tinetti, 1986; Nevitt, 1989).

Items were scored by measuring the time required to perform the maneuver (lock and key, chair rising, tandem stand, eight-foot walk), by using scoring rules (shoulder rotation, knee flexing), and by counting steps (eight-foot walk).

Examinees who were unable to perform a specific maneuver either because they felt that it would have been unsafe or because they knew they were unable to do it for reasons related to physical limitations or health conditions were not required to make an attempt. For example, if an examinee was in a wheelchair and was not able to stand up, he/she skipped the following maneuvers: time to complete five chair stands (PFRTSTND), right and left knee-hip flexion (PFRRFLEX and PFRLFLEX), and tandem stand (PFRTTAND). The examinee was then asked, "Are you able to walk alone without holding on to another person? You may use a cane or walker." If he/she answered affirmatively, the examinee did the measured walking (PFRTWLKA, PFRTWLKB, PFRNSTPA, and PFRNSTPB); otherwise, he/she skipped the measured walking and ended the test. In the data set, examinees unable to complete the maneuver for these reasons were coded as "Blank," whereas examinees who did not perform the test for reasons unrelated to physical limitations were coded as "8 Blank but applicable."

Persons aged 60 and over who refused or were unable to come to the mobile examination center (MEC) were tested in their homes. Persons found to be bedbound were excluded from the lower extremities part of the PF evaluation (HXRBED). Aside from using an accessible, armless chair in the examinees' homes (HXRCHIR), technicians used equipment and procedures comparable to those used in the MEC.

Because technicians used equipment and procedures in examinees' homes that were comparable to those used in the MEC, the home PF values were incorporated into the MEC PF measures data set.

Refer to the Physical Function Examination Manual (U.S. DHHS, 1996b) and the Home Examination Manual (U.S. DHHS, 1996b) for descriptions of data collection procedures and methods.

At the time of hire, MEC and home examination health technicians were trained to conduct the physical function evaluation. During annual site visits, examination administration was observed, and re-training took place. Applicable parts of the National Institute on Aging video "Assessing Physical Performance in the Home-Part 1" were used to demonstrate the PF procedures during initial training and re-training (NIA, 1988).

Data processing and editing were performed to ensure internal data consistency. Notes have been provided for variables requiring additional explanation.

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICAL FUNCTION EVALUATION

GENERAL INFORMATION

Positions		Item description	
SAS name	Counts	and code	Notes
4416-4417		Health status screener	
PFRHHS	670	01 No apparent restriction	
	23	02 Presently in wheelchair	
	5	04 Injury	
	11	06 Other health condition	
	19	07 Other (specify)	
	42	88 Blank but applicable	
	1826	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICAL FUNCTION EVALUATION

SHOULDER EXERCISES

Positions SAS name	Counts	Item description and code	Notes
4418		Right shoulder external rotation	
PFRRSER	685	1 Full	
	34	2 Partial	
	7	3 Unable	
	43	8 Blank but applicable	
	1	9 Don't know	
	1826	Blank	
4419		Left shoulder external rotation	
PFRLSER	691	1 Full	
	32	2 Partial	
	4	3 Unable	
	42	8 Blank but applicable	
	1	9 Don't know	
	1826	Blank	
4420		Right shoulder internal rotation	
PFRRSIR	705	1 Full	
	17	2 Partial	
	5	3 Unable	
	42	8 Blank but applicable	
	1	9 Don't know	
	1826	Blank	
4421		Left shoulder internal rotation	
PFRLSIR	710	1 Full	
	14	2 Partial	
	3	3 Unable	
	42	8 Blank but applicable	
	1	9 Don't know	
	1826	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 PHYSICAL FUNCTION EVALUATION

KEY IN LOCK TIMED MANEUVER

Positions SAS name	Counts	Item description and code	Notes
4422 PFRUKEY	723	Ability to pick up key 1 Yes	See note
	4	2 No (PFRWC)	
	43	8 Blank but applicable	
	1826	Blank	
4423 PFRHKEY	718	Ability to hold key 1 Yes	
	5	2 No (PFRWC)	
	43	8 Blank but applicable	
	1830	Blank	
4424-4427 PFRTKEY	710	Time to unlock lock (sec) 0002-0060	See note
	51	8888 Blank but applicable	
	1835	Blank	
4428 HXRBED	2	Check item--bedbound (home exam only) 1 Yes (PFRTECH)	
	315	2 No	
	2279	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICAL FUNCTION EVALUATION

SINGLE CHAIR STAND

Positions SAS name	Counts	Item description and code	Notes
4429		In wheelchair (MEC only)	
PFRWC	20	1 Yes	
	391	2 No (PFRSCOOT)	
	42	8 Blank but applicable	
	2143	Blank	
4430		Can you get up from your chair/wheelchair by yourself?	See note
PFRUPWC	21	1 Yes	
	2	2 No (PFROWALK)	
	42	8 Blank but applicable	
	2531	Blank	
4431		Use of arms to scoot forward	
PFRSCOOT	479	1 Yes	
	232	2 No	
	4	3 Unable to move	
	51	8 Blank but applicable	
	1830	Blank	
4432		Ability to stand	See note
PFRUSTND	693	1 Yes, without arms	
	18	2 Yes, with arms for pushing off (PFRRFLEX)	
	9	3 Unable (PFROWALK)	
	45	8 Blank but applicable	
	1	9 Don't know	
	1830	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICAL FUNCTION EVALUATION

REPEATED CHAIR STAND TIMED MANEUVER

Positions SAS name	Counts	Item description and code	Notes
4433-4436 PFRTSTND	680	Time to complete five stands (sec) 0002-0082	See note
	59	8888 Blank but applicable	
	1857	Blank	
4437-4438 PFRNSTND	2	Number of stands 03 3 stands	
	1	04 4 stands	
	677	05 5 stands	
	59	88 Blank but applicable	
	1857	Blank	
4439-4442 HXRCHAIR	24	Chair height home exam only (in) 13.0	
	23	14.0	
	4	15.0	
	8	16.0	
	105	17.0	
	106	18.0	
	18	19.0	
	8	8888 Blank but applicable	
	2300	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 PHYSICAL FUNCTION EVALUATION

HIP AND KNEE EXERCISES

Positions SAS name	Counts	Item description and code	Notes
4443		Right hip and knee flexion	
PFRRFLEX	670	1 Full	
	39	2 Partial	
	3	3 Unable	
	45	8 Blank but applicable	
	1839	Blank	
4444		Left hip and knee flexion	
PFRLFLEX	679	1 Full	
	29	2 Partial	
	4	3 Unable	
	45	8 Blank but applicable	
	1839	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 PHYSICAL FUNCTION EVALUATION

 TANDEM STAND TIMED MANEUVER

Positions SAS name	Counts	Item description and code	Notes
4445 PFRSTAND		Are you able to stand by yourself without holding on to anything?	
	694	1 Yes	
	17	2 No (PFROWALK)	
	46	8 Blank but applicable	
	1839	Blank	
4446-4449 PFRTTAND		Time (sec) tandem stand held	See note
	682	0001-0010	
	58	8888 Blank but applicable	
	1856	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICAL FUNCTION EVALUATION

MEASURED WALK

Positions SAS name	Counts	Item description and code	Notes
4450 PFROWALK	710	Observed walking without help 1 Yes (PFRTWLKA)	
	9	2 No	
	49	8 Blank but applicable	
	1828	Blank	
4451 PFRRWALK		Are you able to walk alone without holding on to another person?	
	7	1 Yes	
	7	2 No (PFRTECH)	
	44	8 Blank but applicable	
	2538	Blank	
4452-4455 PFRTWLKA		Time to complete 8-foot walk, trial A (sec)	
	693	0002-0054	
	68	8888 Blank but applicable	
	1835	Blank	
4456-4457 PFRNSTPA		Number of steps, trial A	
	717	03-24	
	44	88 Blank but applicable	
	1835	Blank	
4458-4461 PFRTWLKB		Time to complete 8-foot walk, trial B (sec)	
	683	0002-54.8	
	78	8888 Blank but applicable	
	1835	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

PHYSICAL FUNCTION EVALUATION

GENERAL INFORMATION

Positions		Item description	
SAS name	Counts	and code	Notes

4462-4463		Number of steps, trial B	
PFRNSTPB	717	03-21	
	44	88 Blank but applicable	
	1835	Blank	

NHANES III Examination Data File

SECOND EXAM DATA

 PHYSICAL FUNCTION EVALUATION

GENERAL INFORMATION

Positions SAS name	Counts	Item description and code	Notes
4464 PFRPAIN		Pain reported on walking	
	64	1 Yes	
	653	2 No	
	44	8 Blank but applicable	
	1835	Blank	
4465 PFRDEVIC		Type of device used	
	694	1 None	
	17	2 Cane	
	3	3 Walker	
	3	4 Other	
	44	8 Blank but applicable	
	1835	Blank	
4466-4470 PFRTECH		Technician number	
	406	01001-09018	
	364	88888 Blank but applicable	
	1826	Blank	

NOTES

PFRTKEY: Time to unlock lock (sec)

If the examinee was not able to open the lock within 60 seconds, the maneuver was terminated, and his/her time was entered as 60 seconds.

PFRTSTND and PFRUSTND: Time to complete five stands (sec) and ability to stand

A standardized wooden cube, 50-cm in height, was used as a prop for the armless chair maneuvers in the MEC.

PFRTTAND: Time tandem stand held (sec)

The examiner stopped timing after 10 seconds even if the examinee was able to maintain the tandem stand for a longer period of time, and the examinee's time was entered as 10 seconds.

PFRUKEY: Ability to pick up key

The examinee had a maximum of 30 seconds to pick up the key. If the examinee was not able to pick up the key within 30 seconds, the maneuver was terminated, and the examinee proceeded to the next item (PFRWC).

PFRUPWC: Can you get up from your chair/wheelchair by yourself?

This question was asked during the MEC and home exam; PFRWC was recorded by the technician from observation in the MEC only.

PFRUSTND: Ability to stand

See note for PFRTSTND.

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